



# Recombinant Rat Vesicle-fusing ATPase (Nsf)

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| <b>Product Code</b>      | CSB-EP874094RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Abbreviation</b>      | Nsf                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Uniprot No.</b>       | Q9QUL6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Sequence</b>          | MAGRTMQAAR CPTDELSLSN CAVVNEKDYQ SGQHVMMVRTS PNHKYIFTLR<br>THPSVVP GCI AFSLPQRKWA GLSIGQDIEV ALYSFDKAKQ CIGTMTIEID<br>FLQKKNIDSN PYDTDKMAAE FIQQFNHQA F SVGQQLVFSF NDKLFGLLVK<br>DIEAMDPSIL KGEPASGKRQ KIEVGLVVG N SQVAFKAEN SSLNLIGKAK<br>TKENRQSIIN PDWNFEKMG I GGLDKEFSDI FRRASFARVF PPEIVEQMGC<br>KHKVKGILLYG PPGCGKTLLA RQIGKMLNAR EPKVVGNGPEI LNKYVGESEA<br>NIRKLFADAE EEQRRLGANS GLHIIIFDEI DAICKQRGSM AGSTGVHDTV<br>VNQLLSKIDG VEQLNNILVI GMTNRPDLID EALLRPGRL VKMEIGLPDE<br>KGRLQILHIH TARMRGHQLL SADVDIKELA VETKNFSGAE LEGLVRAAQS<br>TAMNRHIKAS TKVEVDMEKA ESLQVTRGDF LASLENDIKP AFGTNQEDYA<br>SYIMNGIIKW GDPVTRVLDD GELLVQQTKN SDRTPLVSVL LEGPPHSGKT<br>ALAAKIAEES NFPIKICSP DKMIGFSETA KCQAMKKIFD DAYKSQLSCV<br>VVDDIERLLD YVPIGPRFSN LVLQALLVLL KKAPPQGRKL LIIGTTSRKD<br>VLQEMEMLNA FSTTIHVPNI ATGEQLLEAL ELLGNFKDKE RTTIAQQVKG<br>KKVWIGIKKL LMLIEMSLQM DPEYRVKFL ALMREEGASP LDFD |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Target Names</b>      | Nsf                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Names</b>     | Recommended name: Vesicle-fusing ATPase EC= 3.6.4.6 Alternative name(s): N-ethylmaleimide-sensitive fusion protein Short name= NEM-sensitive fusion protein Vesicular-fusion protein NSF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Expression Region</b> | 1-744                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Length</b>    | full length protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



concentration of glycerol is 50%. Customers could use it as reference.

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### **Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.