



# Recombinant Human Translation factor GUF1, mitochondrial (GUF1)

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| <b>Product Code</b>      | CSB-MP822701HU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Abbreviation</b>      | GUF1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <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>       | Q8N442                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Sequence</b>          | S SAEFKEKLDM SRFPVENIRN FSIVAHVDHG KSTLADRLL E LTGTIDKTKN<br>NKQVLDKLQV ERERGIVKA QTASLFYNCE GKQYLLNLID TPGHVDFS YE<br>VSRSLSACQG VLLVVDANEG IQAQTVANFF LAFEAQLSVI PVINKIDLKN<br>ADPERVENQI EKVFDIPSDE CIKISAKLGT NVESVLQAI ERIPPPKVHR<br>KNPLRALVFD STFDQYRGVI ANVALFDGVV SKGDKIVSAH TQKTYEVNEV<br>GVLNPNEQPT HKLYAGQVG Y LIAGMKDVTE AQIGDTLCLH KQPVEPLPGF<br>KSAKPMVFAG MYPLDQSEYN NLKSAIEKLT LNDSSVTVHR DSSLALGAGW<br>RLGFLGLLHM EVFNQRLEQE YNASVILTP TVPYKAVLSS SKLIKEHREK<br>EITIINPAQF PDKSKVTEYL EPVVLGTIIT PDEYTGKIMM LCEARRAVQK<br>NMIFIDQNRV MLKYLFPLNE IVVDFYDSLK SLSSGYASFD YEDAGYQTAE<br>LVKMDILLNG NTVEELVTW HKDKAHSIGK AICERLKDSL PRQLFEIAIQ<br>AAIGSKIIAR ETVKAYRKNV LAKCYGGDIT RKMKLLKRQA EGKKKLRKIG<br>NVEVPKDAFI KVLKTQSSK |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Target Names</b>      | GUF1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Names</b>     | Recommended name: Translation factor GUF1, mitochondrial EC= 3.6.5.-<br>Alternative name(s): Elongation factor 4 homolog Short name= EF-4 GTPase<br>GUF1 Ribosomal back-translocase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Expression Region</b> | 50-669                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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 of Mature 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**

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