



# Recombinant Rat Eukaryotic translation initiation factor 2 subunit 1 (Eif2s1)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-MP007523RA  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P68101  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MPGLSCRFYQ HKFPEVEDVV MVNVRSAEM GAYVSLLEYN NIEGMILLSE<br>LSRRRIRSIN KLIRIGRNEC VVIRVDKEK GYIDLSKRRV SPEEAIKCED<br>KFTKSKTVYS ILRHVAEVLE YTKDEQLESL FQRTAWVFDD KYKRPGYGAY<br>DAFKHAVSDP SILDSLNE DEREVLINNI NRRLTPQAVK IRADIEVACY<br>GYEGIDAVKE ALRAGLNCST ETMPIKINLI APPRYVMTT TLERTEGLSV<br>LNQAMAVIKE KIEEKRGVFN VQMEPKVVTD TDETELARQL ERLERENAEV<br>DGDDDAEEME AKAED   |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | Eif2s1  |
| <b>Protein Names</b>     | Recommended name: Eukaryotic translation initiation factor 2 subunit 1<br>Alternative name(s): Eukaryotic translation initiation factor 2 subunit alpha Short<br>name= eIF-2-alpha Short name= eIF-2A Short name= eIF-2alpha  |
| <b>Expression Region</b> | 1-315   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at<br>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<br>contents to the bottom. Please reconstitute protein in deionized sterile water to a<br>concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final<br>concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final<br>concentration of glycerol is 50%. Customers could use it as reference. |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients,<br>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<br>of lyophilized form is 12 months at -20°C/-80°C.  |