



Recombinant Rat Translation initiation factor eIF-2B subunit alpha (Eif2b1)

Product Code	CSB-MP714480RA
Abbreviation	Eif2b1
Storage	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.
Uniprot No.	Q64270
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MEDGELIKYF KSQMKGDPM ASAVAAIQTL LEFLKRDKGE TIQGLRAHLT KAIETLCAVD SSVAVSSGGE LFLRFISLTS LEYSDYSKCK KIMIERGELF LSRISLSRTE IASLCHAFIK DGARILTHAY SRVVLRLVLEE AVAAKKRFSV YITESQPDLS GKKMAKALCH LNPVTVVLD AAVGYIMEKV DLVIVGAEGV VENGGIINKI GTNQMAVCAK AQNKPFYVVA ESFKFVRLFP LNQQDVPDKF KYKADTLKSV QAGQDLKEEH PWVDYTSPL ILLFTDLGV LTPSAVSEDEL IKLYL
Source	Mammalian cell
Target Names	Eif2b1
Protein Names	Recommended name: Translation initiation factor eIF-2B subunit alpha Alternative name(s): eIF-2B GDP-GTP exchange factor subunit alpha
Expression Region	1-305
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes one of five subunits of eukaryotic translation initiation factor 2B (EIF2B), a GTP exchange factor for eukaryotic initiation factor 2 and an essential regulator for protein synthesis. Mutations in this gene and the genes encoding other EIF2B subunits have been associated with leukoencephalopathy with vanishing white matter.
Reconstitution	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.



Shelf Life

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