



Recombinant Rat Translation initiation factor eIF-2B subunit delta (Eif2b4)

Product Code	CSB-EP723561RA
Abbreviation	Eif2b4
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.	Q63186
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	AAVAVAVRE ESRSEMKTEL SPRPGAAGRE LTQEEKLQLR KEKKQQKKKR KEEKGADQEI GSAVSAAQRQ DPVRELQGTG SQLGGTTGEK LPAGRSKAEL RAERRAKQEA ERALKQARKG EQGGPSPQAC PSTAGEATSG VKRVPEHTQA DDPTLLRRL RKPDRQQVPT RKDYGSKVSL FSHLPQYSRQ SSLTQYMSIP SSVIHPAMVR LGLQYSQGLV SGSNARCIAL LHALQQVIQD YTPPNHEELS RDLVNKLKPY ISFLTQCRPM SASMCNAIKF FNKEVTGMSS SKREEEAKSE LKEAIDRYVQ EKIVLASQAI SRFASKKISD GDVILVYGCS SLVSRILQEA WVEGRRFRV VVDSRPRLEG RHMLHCLVRA GVPTSYLLIP AASYVLPEVS KVLLGAHALL ANGSVMSRVG TAQLALVARA HNPVVLVCCE TYKFCERVQT DAFVSNELDD PDDLQCKRGD QVTLANWQNN SSLRLLNLVY DVTPELVLD VITELGMIPC SSVPVVLRVK SSDQ
Source	E.coli
Target Names	Eif2b4
Protein Names	Recommended name: Translation initiation factor eIF-2B subunit delta Alternative name(s): eIF-2B GDP-GTP exchange factor subunit delta
Expression Region	2-524
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 of Mature Protein
Target Details	Eukaryotic initiation factor 2B (EIF2B), which is necessary for protein synthesis, is a GTP exchange factor composed of five different subunits. This protein is the fourth, or delta, subunit. Defects in this gene are a cause of leukoencephalopathy with vanishing white matter (VWM) and ovarioleukodystrophy. Multiple transcript variants encoding different isoforms have been found for this gene.

**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

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.