



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

<b>Product Code</b>	CSB-EP723561RA-B
<b>Abbreviation</b>	Eif2b4
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q63186
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	AAVAVAVRE ESRSEMKTEL SPRPGAAGRE LTQEEKLQLR KEKKQQKKKR KEEKGADQEI GSAVSAAQRQ DPVRELQGTG SQLGGTTGEK LPAGRSKAEL RAERRAKQEA ERALKQARKG EQGGPSPQAC PSTAGEATSG VKRVP EHTQA DDPTLLRRL RKPDRQQVPT RKDYGSKVSL FSHLPQYSRQ SSLTQYMSIP SSVIHPAMVR LGLQYSQGLV SGSNARCIAL LHALQQVIQD YTPPNEELS RDLVNKLKPY ISFLTQCRPM SASMCNAIKF FNKEVTGMSS SKREEEAKSE LKEAIDRYVQ EKIVLASQAI SRFASKKISD GDVILVYGCS SLVSRILQEA WVEGRRFRV VVDSRPRLEG RHMLHCLVRA GVPTS YLLIP AASYVLPEVS KVLLGAHALL ANGSVMSRVG TAQLALVARA HNPVPLVCCE TYKFCERVQT DAFVSNELDD PDDLQCKRGD QVTLANWQNN SSLRLLNLVY DVTPELVDL VITELGMIPC SSVPVVLRVK SSDQ
<b>Source</b>	E.coli
<b>Target Names</b>	Eif2b4
<b>Protein Names</b>	Recommended name: Translation initiation factor eIF-2B subunit delta Alternative name(s): eIF-2B GDP-GTP exchange factor subunit delta
<b>Expression Region</b>	2-524
<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>Target Details</b>	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**

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