



# Recombinant Rat Translation initiation factor eIF-2B subunit epsilon (Eif2b5)

<b>Product Code</b>	CSB-EP720666RA-B
<b>Abbreviation</b>	Eif2b5
<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>	Q64350
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MAATAAVPSA VGGRANKRGG GSGGGGTQGA EEEPPPPLQA VLVADSFDRR FFPISKDQPR VLLPLANVAL IDYTLEFLTA TGVQETFVFC CWKAAQIKEH LQKSKWCHPT SLNVVRIITS DLYRSLGDVL RDVDAKALVR SDFLLIYGDV VSNINISKAL EEHRLRRKLE KNVSVMTMVF KESSPSHPTR CHEDNVVLAV DSTTNRILHF QKTQGLRHFS FPLGLFQGS L DGVEIRYDLL DCHISICSPQ VAQLFTDNFD YQTRDDFVRG LLVNEEILGN QIHLHVTSRE YGARVSNLHM YSAVCADVIR RWVYPLTPEV NFTDSSTQSY THSRHNIYRG PEVSLGHGSV LEENVLLGAG TVVGSNCSIT NSVIGPNCHI GDNVVLQAY LWQGV RVAAG AQIHQSLLCD RAEVKERVIL KPHCVLTSQV VVGPDII LPE GSVISLHPPD AEDEDDGQF SDDSGADQEK EKVKLKGYNP AEVGPEGQGY LWKAEDVDEK EDEELRQSLW GLMINMEEES ETESERSVDP EELDSRAGSP QLDDIRVFQN EVLGT LQRGR EENISCDNLV LEINSLKYAY NISLKEVMQV LSHVVLEFPL QQVDGVLDPN RYCALLLPLL KAWSPVFRNY IKRAADHLEA LAAIEDFFLE HETLVPSLAK VLMAFYQLEI LAEETILSWF SQRDITDKGQ QLRKNQQLQR FIQWLREAE EESSDDD
<b>Source</b>	E.coli
<b>Target Names</b>	Eif2b5
<b>Protein Names</b>	Recommended name: Translation initiation factor eIF-2B subunit epsilon Alternative name(s): eIF-2B GDP-GTP exchange factor subunit epsilon
<b>Expression Region</b>	1-716
<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 protein
<b>Target Details</b>	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**

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.