



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

Product Code	CSB-MP720666RA
Abbreviation	Eif2b5
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.	Q64350
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	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 EVLGLTQRGR EENISCDNLV LEINSLKYAY NISLKEVMQV LSHVVLEFPL QQVDGVLDPN RYCALLLPLL KAWSPVFRNY IKRAADHLEA LAAIEDFFLE HETLVPSLAK VLMAFYQLEI LAEETILSWF SQRDITDKGQ QLRKNQQLQR FIQWLREAE EESSDDD
Source	Mammalian cell
Target Names	Eif2b5
Protein Names	Recommended name: Translation initiation factor eIF-2B subunit epsilon Alternative name(s): eIF-2B GDP-GTP exchange factor subunit epsilon
Expression Region	1-716
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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