



Recombinant Human Translation initiation factor eIF-2B subunit epsilon (EIF2B5)

Product Code	CSB-EP623787HU
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.	Q13144
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	AAPVVAPPG VVVSRRANKRS GAGPGGSGGG GARGAEEEEPP PPLQAVLVAD SFDRRFFPIS KDQPRVLLPL ANVALIDYTL EFLTATGVQE TFVFCCWKAA QIKEHLLKSK WCRPTSLNVV RIITSELYRS LGDVLRDVDA KALVRSDFLL VYGDVISNIN ITRALEEHRL RRKLEKNVSV MTMIFKESSP SHPTRCHEDN VVVAVDSTTN RVLHFQKTQG LRRFAFPLSL FQGSSDGEVY RYDLLDCHIS ICSPQVAQLF TDNFDYQTRD DFVRGLLVNE EILGNQIHMV VTAKEYGARV SNLHMYSAVC ADVIRRWVYP LTPEANFTDS TTQSCTHSRH NIYRGPEVSL GHGSILEENV LLGSGTVIGS NCFITNSVIG PGCHIGDNVV LDQTYLWQGV RVAAGAQIHQ SLLCDNAEVK ERVTLKPRSV LTSQVVVGPN ITLPEGSVIS LHPPDAEEDE DDGEFSDDSG ADQEKDKVKM KGYNPAEVGA AGKGYLWKAA GMNMEEEEEEL QQNLWGLKIN MEESESESE QSMDSSEPDG RGGSPQMDDI KVFQNEVLGT LQRGKEENIS CDNLVLEINS LKYAYNISLK EVMQVLSHVV LEFPLQQMDS PLDSSRYCAL LLPLLKAWSP VFRNYIKRAA DHLEALAAIE DFFLEHEALG ISMAKVLMAF YQLEILAEET ILSWFSQRDT TDKGQQLRKN QQLQRFIQWL KEAEEESSED D
Source	E.coli
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	2-721
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	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.