Recombinant Human Eukaryotic translation initiation factor 2 subunit 2 (EIF2S2)

Product Code	CSB-EP007524HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P20042
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	SGDEMIFDP TMSKKKKKKK KPFMLDEEGD TQTEETQPSE TKEVEPEPTE DKDLEADEED TRKKDASDDL DDLNFFNQKK KKKKTKKIFD IDEAEEGVKD LKIESDVQEP TEPEDDLDIM LGNKKKKKKN VKFPDEDEIL EKDEALEDED NKKDDGISFS NQTGPAWAGS ERDYTYEELL NRVFNIMREK NPDMVAGEKR KFVMKPPQVV RVGTKKTSFV NFTDICKLLH RQPKHLLAFL LAELGTSGSI DGNNQLVIKG RFQQKQIENV LRRYIKEYVT CHTCRSPDTI LQKDTRLYFL QCETCHSRCS VASIKTGFQA VTGKRAQLRA KAN
Source	E.coli
Target Names	EIF2S2
Protein Names	Recommended name: Eukaryotic translation initiation factor 2 subunit 2 Alternative name(s): Eukaryotic translation initiation factor 2 subunit beta Short name= eIF-2-beta
Expression Region	2-333
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 translation initiation factor 2 (EIF-2) functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA and binding to a 40S ribosomal subunit. EIF-2 is composed of three subunits, alpha, beta, and gamma, with This protein representing the beta subunit. The beta subunit catalyzes the exchange of GDP for GTP, which recycles the EIF-2 complex for another round of initiation.
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.