



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

<b>Product Code</b>	CSB-MP007524HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P20042
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	SGDEMIFDP TMSKKKKKKK KPFMLDEEGD TQTEETQPSE TKEVEPEPTE DKDLEADEED TRKKDASDDL DDLNFFNQKK KKKKTKKIFD IDEAEEGVKD LKIESDVQEP TEPEDDLDIM LGNKKKKKKK VKFPDEDEIL EKDEALEDED NKKDDGISFS NQTGPAWAGS ERDYTYEELL NRVFNIMREK NPDMVAGEKR KFVMKPPQVV RVGTTKTSFV NFDICKLLH RQPKHLLAFL LAELGTSGSI DGNNQLVIKG RFQQKQIENV LRRYIKEYVT CHTCRSPDTI LQKDTRLYFL QCETCHSRCS VASIKTGFQA VTGKRAQLRA KAN
<b>Source</b>	Mammalian cell
<b>Target Names</b>	EIF2S2
<b>Protein Names</b>	Recommended name: Eukaryotic translation initiation factor 2 subunit 2 Alternative name(s): Eukaryotic translation initiation factor 2 subunit beta Short name= eIF-2-beta
<b>Expression Region</b>	2-333
<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 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.
<b>Reconstitution</b>	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.
<b>Shelf Life</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.