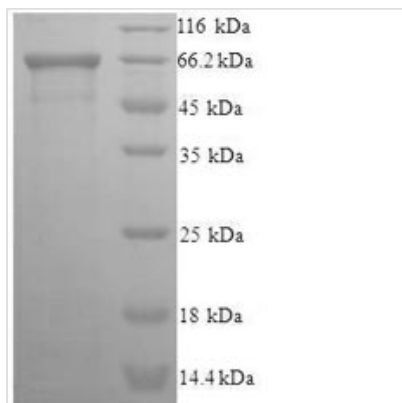




Recombinant Human Eukaryotic translation initiation factor 5 (EIF5)

Product Code	CSB-EP007572HU
Relevance	Catalyzes the hydrolysis of GTP bound to the 40S ribosomal initiation complex (40S.mRNA.Met-tRNA[F].eIF-2.GTP) with the subsequent joining of a 60S ribosomal subunit resulting in the release of eIF-2 and the guanine nucleotide. The subsequent joining of a 60S ribosomal subunit results in the formation of a functional 80S initiation complex (80S.mRNA.Met-tRNA[F]).
Abbreviation	Recombinant Human EIF5 protein
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.	P55010
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSVNVNRSVSDQFYRYKMPRLIAKVEGKGNIGIKTVIVNMVDVAKALNRPPTYP TKYFGCELGAQTQFDVKNDRIYVNGSHEANKLQDMLDGFIIKFVLCPECENPE TDLHVNPKKQTIGNSCKACGYRGMLDTHHKLCTFILKNPPENS DSGTGKKEKE KKNRKGKDKENG SVSSSETPPPPPPNEINPPPH TMEEEEDDDWGEDTTEEA QRRRMDEISDHAKVLTLSDDLERTIEERVNILFDFVKKKKEEGVIDSSDKEIVAE AERLDVKAMGPLVLTEVLFNEKIREQIKKYRRHFLRFCHNNKKAQRYLLHGLEC VVAMHQAQLISKIPHILKEMYDADLLEEEVVISWSEKASKKYVSKELAKEIRVKA E PFIKWLKEAEEEESSGGEEDDEDENIEVVYSKAASVPKVETVKSDNKDDDDIDDAI
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	EIF5
Expression Region	1-431aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	65.2kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.