

Recombinant Human EIF5 Protein (1-431 aa), His-SUMO-tagged

Cat. No. EIF5-478H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF5 Protein (1-431 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-431 aa
Description	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]).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	65.2 kDa
AA Sequence	MSVNVNRSVSDQFYRYKMPRLIAKVEGKNGIKTVIVNMVDVAKALNRPPTYPTKYF GCELGAQTQFDVKNDRIYVNGSHEANKLQDMLDGFIKKFVLCPECENPETDLHVNP KKQTIGNSCKACGYRGLDTHHKLCTFILKNPPENS DSGTGKKEKEKKNRKGKDKE NGSVSSSETPPPPPPNEINPPPHTMEEEEDDDDWGEDTTEEAQRRRMDEISDHAK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VLTLSDDLERTIEERVNILFDFVKKKKEEGVIDSSDKEIVAEERLDVKAMGPLVLTEV
 LFNEKIREQIKKYRRHFLRFCHNNKKAQRYLLHGLECVVAMHQAQLISKIPHILKEMY
 DADLLEEEVVISWSEKASKKYVSKELAKEIRVKAEPFIKWLKEAEEESSGGEEDEDE
 NIEVVYSKAASVPKVETVKSDNKDDDIDIDA

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name EIF5 eukaryotic translation initiation factor 5 [Homo sapiens]

Official Symbol EIF5

Synonyms EIF5; eIF-5; EIF-5A;

Gene ID 1983

mRNA Refseq NM_001969

Protein Refseq NP_001960

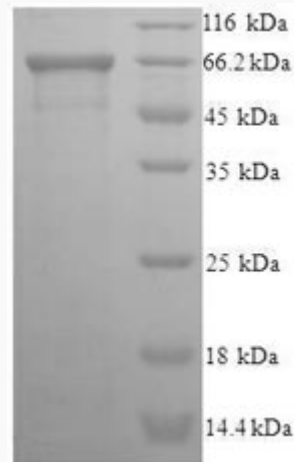
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MIM 601710

UniProt ID P55010



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

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