

Recombinant Human Eukaryotic translation initiation factor 5(EIF5)

Catalog No: #AP70267

Package Size: #AP70267-1 20ug #AP70267-2 100ug #AP70267-3 1mg

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Description

Product Name	Recombinant Human Eukaryotic translation initiation factor 5(EIF5)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-431aaSequence Info:Full Length
Accession No.	P55010
Calculated MW	65.2 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MSVNVNRSVSDQFYRYKMPRLIAKVEGKGNIGKTVIVNMVDVAKALNRPPTYPTKYFGCELGAQTQFDVKND RYIVNGSHEANKLQDMLDGFIKKFVLCPECENPETDLHVNPKKQTIGNSCKACGYRGMLDTHHKLCTFILKNPP ENSDSGTGKKEKEKKNRKGDKENGVSSESSTPPPPPPNEINPPHTMEEEEEDDDWGEDTTEEAQRRRM DEISDHAKVLTSLDLERTIEERVNLFDFVKKKKEEGVIDSSDKEIVAEAEERLDVKAMGPLVLTEVLFNEKIREQI KKYRRHFLRFCHNNKKAQRYLLHGLECVVAMHQAQLISKIPHILKEMYDADLLEEEVVISWSEKASKKYVSKELA KEIRVKAEPFIKWLKEAEEESSGEEDEEDENIEVVYSKAASVPKVKTVKSDNKDDDDIDAI
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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]).

References

The full-ORF clone resource of the German cDNA consortium.Bechtel S., Rosenfelder H., Duda A., Schmidt C.P., Ernst U., Wellenreuther R., Mehrle A., Schuster C., Bahr A., Bloecker H., Heubner D., Hoerlein A., Michel G., Wedler H., Koehrer K., Ottenwaelder B., Poustka A., Wiemann S., Schupp I.BMC Genomics 8:399-399(2007)Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only and is not intended for use in humans or animals.