

Recombinant Human EIF5 protein, GST-tagged

Cat. No. EIF5-27177TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF5(1 a.a. - 431 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-431 a.a.
Description	Eukaryotic translation initiation factor-5 (EIF5) interacts with the 40S initiation complex to promote hydrolysis of bound GTP with concomitant joining of the 60S ribosomal subunit to the 40S initiation complex. The resulting functional 80S ribosomal initiation complex is then active in peptidyl transfer and chain elongations (summary by Si et al., 1996 [PubMed 8663286]).
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	73.15 kDa
AA Sequence	MSVNVNRSVSDQFYRYKMPRLIAKVEGKNGIKTVIVNMVDVAKALNRPPTYPTKYF GCELGAQTQFDVKNDRIY VNGSHEANKLQDMLDGFIKKFVLCPECENPETDLHVNP KKQTIGNSCKACGYRGMMLDTHHKLCTFILKNPPENS SGTGKKEKEKKNRKGKDK NGSVSSSETPPPPPPNEINPPPHTMEEEEDDDWGEDTTEEAQRRRMDEISDHAK V LTLSDDLERTIEERVNILFDFVKKKKEEGVIDSSDKEIVAEERLDVKAMGPLVLTEV LFNEKIREQIKKYRRHF LRFCHNNKKAKRYLLHGLECVVAMHQAQLISKIPHILKEMY

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DADLLEEEVIISWSEKASKKYVSKELAKEIRVKA EPFIKWLKEAEEESSGGEEEDEDE
NIEVVYSKAASVPKVETVKSDNKDDDIDIDAI

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

EIF5 eukaryotic translation initiation factor 5 [Homo sapiens]

Official Symbol

EIF5

Synonyms

EIF5; eukaryotic translation initiation factor 5; eIF-5; EIF-5A;

Gene ID

1983

mRNA Refseq

NM_001969

Protein Refseq

NP_001960

MIM

601710

UniProt ID

P55010

**Chromosome
Location**

14q32.32

Pathway

Cap-dependent Translation Initiation, organism-specific biosystem; Eukaryotic

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Translation Initiation, organism-specific biosystem; GTP hydrolysis and joining of the 60S ribosomal subunit, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem;

Function

GTP binding; GTPase activity; binding; nucleotide binding; translation factor activity, nucleic acid binding; translation initiation factor activity;

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