

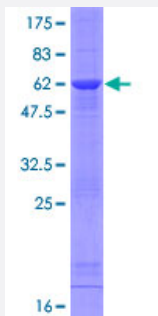
Full-Length

EIF6 (Human) Recombinant Protein (P01)

Catalog # H00003692-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EIF6 full-length ORF (NP_002203.1, 1 a.a. - 245 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAVRASFENNCEIGCFAKLTNTYCLVAIGGSENFYSVFEGELSDTIPVVHASIAGCRIIGRMCVGNRHGLLPNNNTDQELQHIRNSLPDTVQIRRVEERLSALGNVTTTCNDYVALVHPDLDTREEILADVLKVEVFRQTVADQVLVGSYCVFSNQGGVLHPKTSIEDQDELSSLLQVPLVAGTVNRGSEVIAAGMVVNDWCAFCGLDTTSTELSVVESVFKLNEAQPSTIATSMRDSLIDSLT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

53

Interspecies Antigen Sequence

Mouse (98); Rat (99)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

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

Note

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

Applications

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

Gene Info — EIF6

Entrez GeneID [3692](#)**GeneBank Accession#** [NM_002212.2](#)**Protein Accession#** [NP_002203.1](#)**Gene Name** EIF6**Gene Alias** 2, CAB, EIF3A, ITGB4BP, b, b(2)gcn, gcn, p27BBP**Gene Description** eukaryotic translation initiation factor 6**Omim ID** [602912](#)**Gene Ontology** [Hyperlink](#)

Gene Summary Hemidesmosomes are structures which link the basal lamina to the intermediate filament cytoskeleton. An important functional component of hemidesmosomes is the integrin beta-4 subunit (ITGB4), a protein containing two fibronectin type III domains. The protein encoded by this gene binds to the fibronectin type III domains of ITGB4 and may help link ITGB4 to the intermediate filament cytoskeleton. The encoded protein, which is insoluble and found both in the nucleus and in the cytoplasm, can function as a translation initiation factor and prevent the association of the 40S and 60S ribosomal subunits. Multiple transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

Other Designations B4 integrin interactor|OTTHUMP00000030734|OTTHUMP00000061360|OTTHUMP00000061361|eukaryotic translation initiation factor 3A|integrin beta 4 binding protein|p27 beta-4 integrin-binding protein

Disease

- [Diabetes Mellitus](#)