

Recombinant Human EIF6

Cat. No. EIF6-26861TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment: VLVGSYCVFS NQGGLVHPKT SIEDQDELSS LLQVPLVAGT VNRGSEVIAA GMVVNDWCAF CGLDTTSTEL SVVESVFKLN EAQPSTIATS MRDSLIDSLT of Human integrin beta 4 binding protein (amino acids 146-245) with N terminal proprietary tag, 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	146-245 aa
Description	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.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Expressed at very high levels in colon carcinoma with lower levels in normal colon and ileum and lowest levels in kidney and muscle (at protein level).

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Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	VLVGSYCVFSNQGGLVHPKTSIEDQDELSSLLQVPLVAGTVNRGSEVIAAGMVVND WCAFCGLDTTSTELSVVESVFKLNEAQPSTIATSMRDSLIDSLT
Sequence Similarities	Belongs to the eIF-6 family.

GENE INFORMATION

Gene Name	EIF6 eukaryotic translation initiation factor 6 [Homo sapiens]
Official Symbol	EIF6
Synonyms	EIF6; eukaryotic translation initiation factor 6; EIF3A, integrin beta 4 binding protein , ITGB4BP; b(2)gcn; p27BBP;
Gene ID	3692
mRNA Refseq	NM_002212
Protein Refseq	NP_002203
MIM	602912

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Uniprot ID	P56537
Chromosome Location	20q11.2
Pathway	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Ribosome biogenesis in eukaryotes, organism-specific biosystem; Ribosome biogenesis in eukaryotes, conserved biosystem; Translation Factors, organism-specific biosystem;
Function	ribosome binding; translation initiation factor activity;

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