

# Recombinant Human EIF6 protein, T7-tagged

**Cat. No.** EIF6-141H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human EIF6 (245 aa, Isoform-A) fused with T7 Tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 245 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | 0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MASMTGGQQMGRGEFMAVRASFENNCEIGCFAKLTNTYCLVAIGGSENFYSVFEG<br>ELSDTIPVVHASIAGCRIIG RMCVGNRHGLLPNNTTDQELQHIRNSLPDTVQIRRV<br>ERLSALGNVTTTCNDYVALVHPDLDTRETEELADVLKV EVFRQTVADQVLVGSYCVFS<br>NQGGLVHPKTSIEDQDELSSLLQVPLVAGTVNVRGSEVIAAGMVVNDWCAFCGLDT T<br>STELSVVESVFKLNEAQPSTIATSMRDSLIDSLT                                                                                                                                   |
| <b>Purity</b>           | >90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>     | 1. May be used for in vitro EIF6 mediated ribosome biogenesis pathway regulation study with intracellular delivery of this protein.2. As soluble / native protein, may be used as enzymatic substrate protein for kinase and ubiquitin assay development.3. May be used for mapping EIF6 protein-protein interaction.4. Potential diagnostic biomarker for various diseases, such as Shwachman-Diamond syndrome.5. May be |

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used as antigen for specific antibody development.

**Storage**

Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

## 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; B4 integrin interactor; p27 beta-4 integrin-binding protein; eukaryotic translation initiation factor 3A; CAB; EIF3A; eIF-6; ITGB4BP; p27(BBP);

**Gene ID**

3692

**mRNA Refseq**

NM\_002212

**Protein Refseq**

NP\_002203

**MIM**

602912

**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

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eukaryotes, conserved biosystem; Translation Factors, organism-specific biosystem;

**Function**

protein binding; ribosome binding; translation initiation factor activity;

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