

## Recombinant Human EIF4G1 protein, GST-tagged

**Cat. No.** EIF4G1-12384H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human EIF4G1 protein(296-645 aa), fused with GST tag, was expressed in E.coli.                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 296-645 aa                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contains 100mM GSH.                                                                                                          |
| <b>AA Sequence</b>      | IEEYLHLNDMKEAVQCVQELASPSLLFIFVRHGVESTLERSAIAREHMGQLLHQLLCA<br>GHLSTAQYYQGLYEILELAEDMEIDIPHVWLYLAELVTPILQEGGVPMGELFREITKPL<br>RPLGKAASLLLEILGLLCKSMGPKKVGTLWREAGLSWKEFLPEGQDIGAFVAEQKVE<br>YTLGEESEAPGQRALPSEELNRQLEKLLKEGSSNQRFVDWIEANLSEQQIVSNTLVR<br>ALMTAVCYSAILFETPLRVDVAVLKARAKLLQKYLCDEQKELQALYALQALVVTLEQP<br>PNLLRMFFDALYDEDVVKEDAFYSWESSKDPAEQQGKGVALKSVTAFFKWLREAE<br>EESDHN |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months,                                                                                                                                                                                                                                                      |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

#### Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

## GENE INFORMATION

|                 |                                                                                    |
|-----------------|------------------------------------------------------------------------------------|
| Gene Name       | EIF4G1 eukaryotic translation initiation factor 4 gamma 1 [ Homo sapiens (human) ] |
| Official Symbol | EIF4G1                                                                             |
| Synonyms        | EIF-4G1; EIF4F; EIF4G; EIF4GI; P220; PARK18                                        |
| Gene ID         | 1981                                                                               |
| mRNA Refseq     | NM_004953                                                                          |
| Protein Refseq  | NP_004944                                                                          |
| MIM             | 600495                                                                             |
| UniProt ID      | Q04637                                                                             |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA