

## Recombinant Human TIMM44 protein, GST-tagged

**Cat. No.** TIMM44-3618H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TIMM44 protein(153-452 aa), fused to GST tag, was expressed in E. coli.                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 153-452 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 contain 100mM GSH.                                                     |
| <b>AA Sequence</b>      | AKTAKQSAESVSKGGKELGRTAAFRALSQGVESVKKEIDDSVLGQTGPYRRPQRLR<br>KRTEFAGDKFKKEKVFEPNEEALGVVLHKDSKWYQQWKDFKENNVVFNRRFFEMKM<br>KYDESDNAFIRASRALTDKVTDLLGGLFSKTEMSEVLTEILRVDPAFDKDRFLKQCEN<br>DIIPNVLEAMISGELDILKDWCYEATYSQLAHPIQQAKALGLQFHSRILDIDNVDLAMG<br>KMMEQGPVLIITFQAQLVMVVRNPKGEVVEGDPDKVLRMLYVWALCRDQDELNPY<br>AAWRLDISASSTEQIL |
| <b>Purity</b>           | 90%, 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, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw                                                                                                     |

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cycles.

#### Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

#### Gene Name

TIMM44 translocase of inner mitochondrial membrane 44 homolog (yeast) [ Homo sapiens ]

#### Official Symbol

TIMM44

#### Synonyms

TIMM44; translocase of inner mitochondrial membrane 44 homolog (yeast); mitochondrial import inner membrane translocase subunit TIM44; TIM44; mitochondrial inner membrane translocase; DKFZp686H05241;

#### Gene ID

10469

#### mRNA Refseq

NM\_006351

#### Protein Refseq

NP\_006342

#### MIM

605058

#### UniProt ID

O43615

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