



# Recombinant Protein Technical Manual

## Recombinant Human EIF1B Protein (His Tag)

RPES3382

### Product Data:

**Product SKU:** RPES3382

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** O60739

### Protein Information:

**Molecular Mass:** 15.0 kDa

**AP Molecular Mass:** 16 kDa

**Tag:** N-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 500mM NaCl, pH 8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Eukaryotic Translation Initiation Factor 1b; eIF1b; Protein Translation Factor SUI1 Homolog GC20; EIF1B

## Immunogen Information:

**Sequence:** Met 1-Phe113

## Background:

Eukaryotic Translation Initiation Factor 1B (EIF1B) is an element of a complex involved in recognition of the initiator codon during the scanning process. Translation is also initiated by the function of EIF1B in regulating the activity of ribosomal subunits 43S, 48S and 40S. EIF1B enables 43S ribosomal complexes to distinguish between cognate and near-cognate initiation codons, perceiving the nucleotide content of initiation codons.