



Recombinant Protein Technical Manual

Recombinant Human EIF4EBP2 Protein (His Tag)

RPES2728

Product Data:

Product SKU: RPES2728

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q13542

Protein Information:

Molecular Mass: 15.1 kDa

AP Molecular Mass: 17 kDa

Tag: N-6His

Bio-activity:

Purity: > 90 % 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, 150mM NaCl, pH 8.0

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

Application:

Synonyms: Eukaryotic Translation Initiation Factor 4E-Binding Protein 2; 4E-BP2; eIF4E-Binding Protein 2; EIF4EBP2

Immunogen Information:

Sequence: Met 1-Ile120

Background:

Eukaryotic Translation Initiation Factor 4E-Binding Protein 2 (EIF4EBP2) is a member of the Eukaryotic Translation Initiation Factor 4E Binding Protein Family. EIF4EBP2 regulates eIF4E activity by preventing its assembly into the eIF4F complex, mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase pathway. This regulation of is associated to cell proliferation, cell differentiation and viral infection. Phosphorylated EIF4EBP2 on serine and threonine residues in response to insulin, EGF and PDGF.