

Recombinant Human EIF4EBP2

Catalog No: CE61

Description Recombinant Human Eukaryotic Translation Initiation Factor 4E-Binding Protein 2 is produced by our E.coli expression system and the target gene encoding Met1-Ile120 is expressed with a 6His tag at the N-terminus.

Expression System E.coli

Alternative name Eukaryotic Translation Initiation Factor 4E-Binding Protein 2; 4E-BP2; eIF4E-Binding Protein 2; EIF4EBP2

Q13542

Accession No.

Quality Control Purity: greater than 95% as determined by reducing SDS-PAGE.
Endotoxin: less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.

Formulation Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0

Reconstitution It is not recommended to reconstitute to a concentration less than 100µg/ml.
Dissolve the lyophilized protein in distilled water.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Shipping The product is shipped at ambient temperature.
Upon receipt, store it immediately at the temperature listed below.

Storage Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

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.

SDS-PAGE

