



Recombinant Protein Technical Manual

Recombinant Human C1QBP Protein (aa 74-282, His Tag)
RPES2490

Product Data:

Product SKU: RPES2490

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: NP_001203.1

Protein Information:

Molecular Mass: 24.9 kDa

AP Molecular Mass: 34 kDa

Tag: C-6His

Bio-activity:

Purity: > 85 % as determined by reducing SDS-PAGE.

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

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM Tris, 20% Glycerol, 1mM DTT, pH 7.5.

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

Application:

Synonyms: Complement Component 1 Q Subcomponent-Binding Protein Mitochondrial; ASF/SF2-Associated Protein p32; Glycoprotein gC1qBP; C1qBP; Hyaluronan-Binding Protein 1; Mitochondrial Matrix Protein p32; gC1q-R Protein; p33; C1QBP; GC1QBP; HABP1; SF2P32;gC1qR

Immunogen Information:

Sequence: Leu74-Gln282

Background:

Complement Component 1Q Subcomponent-Binding Protein (C1QBP) is a nucleus protein that belongs to the MAM33 family. C1QBP is known to bind to the globular heads of C1q molecules and inhibit C1 activation. Mitochondrial C1QBP is a critical mediator of p14ARF-induced apoptosis. C1QBP functions as a chemotactic factor for immature dendritic cells, and migration is mediated through ligation of both C1QBP and cC1qR/CR. C1QBP overexpression successfully blocks mRNA accumulation from the adenovirus major late transcription unit (MLTU) and stimulates RNA polymerase II carboxy-terminal domain phosphorylation in virus-infected cells.