Datasheet for ABIN7317467

C1QBP Protein (AA 75-282) (His tag)

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Overview

Quantity:	100 µg
Target:	C1QBP
Protein Characteristics:	AA 75-282
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This C1QBP protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human C1QBP Protein (aa 75-282, His Tag)
Sequence:	His 75-Gln 282
Characteristics:	A DNA sequence encoding the mature form of human C1QBP (NP_001203.1) (His 75-Gln 282) fused with two Met at N-terminus and a polyhistide tag at the C-terminus was expressed and purified.
Purity:	> 96 % as determined by reducing SDS-PAGE.

Target Details

Target:	C1QBP
Alternative Name:	C1QBP (C1QBP Products)
Background:	Background: Hyaluronan binding protein 1 (HABP1), also known as p32 or gC1qR, is a ubiquitously expressed multifunctional phospho-protein implicated in cell signalling.

Target Details

	Hyaluronan-binding protein 1 (HABP1) /p32/gC1qR was characterized as a highly acidic and oligomeric protein, which binds to different ligands like hyaluronan, C1q, and mannosylated albumin. The role of hyaluronan binding protein 1 (HABP1) in cell signaling was investigated and in vitro. HABP1 overexpressing cells showed extensive vacuolation and reduced growth rate, which was corrected by frequent medium replenishment. Further investigation revealed that HABP1 overexpressing cells undergo apoptosis, and they failed to enter into the S-phase. The sperm surface HABP1 level can be correlated with the degree of sperm motility.Hyaluronan binding protein 1 (HABP1) was reported to be present on human sperm surface and its involvement in fertilization has already been elucidated: decreased HABP1 level may be associated with low motility of sperms, which in turn might cause infertility in the patient. HABP1 also is an endogenous substrate for MAP kinase and upon mitogenic stimulation it is translocated to the nucleus in a MAP kinase-dependent manner. Synonym: 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
Molecular Weight:	24.8 kDa
NCBI Accession:	NP_001203
Pathways:	Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, 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.