Datasheet for ABIN7317714

C1QB Protein (His tag)

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Overview

Quantity:	100 µg
Target:	C1QB
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C1QB protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human C1QB/C1qB Protein (His Tag)
Sequence:	Met 1-Ala 253
Characteristics:	A DNA sequence encoding the human C1QB (NP_000482.3) precursor (Met 1-Ala 253) was expressed, with a carboxy-terminal polyhistidine tag.
Purity:	> 94 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	C1QB
Alternative Name:	C1QB/C1qB (C1QB Products)
Background:	Background: Complement Component 1, q subcomponent (C1q) associates with C1r and C1s in order to yield the first component of the serum complement system. Deficiency of C1q has been associated with lupus erythematosus and glomerulonephritis. C1q is composed of 18

Target Details

	polypeptide chains: six A-chains, six B-chains, and six C-chains. Southern blot analysis of chromosomal DNA from vertebrate species demonstrated highest similarity between the C1qB genes, followed by C1qC and finally C1qA. Sequence comparison of C1q from three different species have shown that the B chains have the strongest similarity. C1q was already present at embryonic day 14 (E14) and showed little change in abundance through six weeks postnatal. At E16, C1qB mRNA was present at high abundance in putative microglia/macrophages in cortical marginal and intermediate zones, and hippocampal analge. Synonym: C1QB
Molecular Weight:	25 kDa
NCBI Accession:	NP_000482
Pathways:	Complement System

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 100 mM NaCl, 0.5 mM TCEP, 10 % glycerol, 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.