

Datasheet for ABIN7596334
CD21 Protein (AA 21-971) (His tag)



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Overview

Quantity:	500 µg
Target:	CD21 (CR2)
Protein Characteristics:	AA 21-971
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD21 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ISCGSPPPIL NGRISYYSTP IAVGTVIRYS CSGTFRLIGE KSLLCITKDK VDGTDWKPAP KCEYFNKYSS CPEIVPGGY KIRGSTPYRH GDSVTFACKT NFSMNGNKS VWCQANNMWGP TRLPTCVSVF PLECPALPMI HNGHHTSENV GSIAPGLSVT YSCESGYLLV GEKIINCLSS GKWSAVPPTC EEARCKSLGR FPNGKVKEPP ILRVGVTANF FCDEGYRLQG PPSSRCVIAG QGVAWTKMPV CEEIFCPSP PILNGRHIGN SLANVSYGSI VTYTCDPDPE EGVNFI LIGE STLRCTVDSQ KTGTWSGPAP RCELSTSAVQ CPHPQILRGR MVSGQKDRYT YNDTVIFACM FGFTLKGSQ IRCNAQGTWE PSAPVCEKEC QAPPNINLGQ KEDRHMVRFD PGTSIKYSCN PGYVLVGEES IQCTSEGVWT PPVPQCKVAA CEATGRQLLT KPQHGFVRPD VNSSCGEGYK LSGSVYQECQ GTIPWFMEIR LCKEITCPPP PVIYNGAHTG SSLEDFPYGT TVTYTCNPGP ERGVESLIG ESTIRCTSND QERGTWSGPA PLCKLSLLAV QC SHVHIANG YKISGKEAPY FYNDTVTFKC YSGFTLKGSS QIRCKADNTW DPEIPVCEKE TCQHVRQSLQ ELPAGSRVEL VNTSCQDG YQ LTGHAYQMCQ DAENGIWFKK IPLCKVIHCH PPPVIVNGKH TGMMAENFLY
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Product Details

GNEVSYECDQ GFYLLGEKKL QCRSDSKGHG SWSGPSPQCL RSPPVTRCPN PEVKHGYKLN
KTHSAYSHND IVYVDCNPGF IMNGSRVIRC HTDNTWVPGV PTCIKKAFIG CPPPPKTPNG
NHTGGNIARF SPGMSILYSC DQGYLLVGEA LLLCTHEGTW SQPAPHCKEV NCSSPADMDG
IQKGLEPRKM YQYGAVVTLE CEDGYMLEGS PQSQCQSDHQ WNPPLAVCRS R

Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	CD21 (CR2)
Alternative Name:	CD21 (CR2 Products)
Background:	CD21, also known as complement receptor type 2 isoform 2, is an N-glycosylated member of the regulators of complement activation family of proteins. This protein is present on all mature B-cells and some T-cells and follicular dendritic cells and is released by proteolytic shedding from activated B cell. It forms a complex with the B cell receptor-associated CD19 Molecule and lowers the threshold for B cell activation. It binds the complement component fragments iC3b, C3D, and C3d. Also, this protein has a function in the complement system through serving as the cellular receptor specific for ligands such as C3 and C4. Recombinant Human CD21, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	105.2 kDa (959aa)
NCBI Accession:	NP_001868
Pathways:	Complement System

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C

Handling

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.