Datasheet for ABIN7553520

COLEC12 Protein (AA 1-742) (His tag)

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Overview

Quantity:	1 mg
Target:	COLEC12
Protein Characteristics:	AA 1-742
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COLEC12 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant COLEC12 Protein expressed in mammalian cells.
Sequence:	MKDDFAEEEE VQSFGYKRFG IQEGTQCTKC KNNWALKFSI ILLYILCALL TITVAILGYK VVEKMDNVTG GMETSRQTYD DKLTAVESDL KKLGDQTGKK AISTNSELST FRSDILDLRQ QLREITEKTS KNKDTLEKLQ ASGDALVDRQ SQLKETLENN SFLITTVNKT LQAYNGYVTN LQQDTSVLQG NLQNQMYSHN VVIMNLNNLN LTQVQQRNLI TNLQRSVDDT SQAIQRIKND FQNLQQVFLQ AKKDTDWLKE KVQSLQTLAA NNSALAKANN DTLEDMNSQL NSFTGQMENI TTISQANEQN LKDLQDLHKD AENRTAIKFN QLEERFQLFE TDIVNIISNI SYTAHHLRTL TSNLNEVRTT CTDTLTKHTD DLTSLNNTLA NIRLDSVSLR MQQDLMRSRL DTEVANLSVI MEEMKLVDSK HGQLIKNFTI LQGPPGPRGP RGDRGSQGPP GPTGNKGQKG EKGEPGPPGP AGERGPIGPA GPPGERGGKG SKGSQGPKGS RGSPGKPGPQ GSSGDPGPPG PPGKEGLPGP QGPPGFQGLQ GTVGEPGVPG PRGLPGLPGV PGMPGPKGPP GPPGPSGAVV PLALQNEPTP APEDNGCPPH WKNFTDKCYY FSVEKEIFED AKLFCEDKSS HLVFINTREE QQWIKKQMVG RESHWIGLTD SERENEWKWL DGTSPDYKNW KAGQPDNWGH GHGPGEDCAG LIYAGQWNDF

Product Details

	QCEDVNNFIC EKDRETVLSS AL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	COLEC12
Alternative Name:	COLEC12 (COLEC12 Products)
Background:	Collectin-12 (Collectin placenta protein 1) (CL-P1) (hCL-P1) (Nurse cell scavenger receptor 2) (Scavenger receptor class A member 4) (Scavenger receptor with C-type lectin),FUNCTION: Scavenger receptor that displays several functions associated with host defense. Promotes binding and phagocytosis of Gram-positive, Gram-negative bacteria and yeast. Mediates the recognition, internalization and degradation of oxidatively modified low density lipoprotein (oxLDL) by vascular endothelial cells. Binds to several carbohydrates including Gal-type ligands, D-galactose, L- and D-fucose, GalNAc, T and Tn antigens in a calcium-dependent manner and internalizes specifically GalNAc in nurse-like cells. Binds also to sialyl Lewis X or a trisaccharide

Target Details

	and asialo-orosomucoid (ASOR). May also play a role in the clearance of amyloid-beta in Alzheimer disease. {ECO:0000269|PubMed:11162630, ECO:0000269|PubMed:11564734, ECO:0000269|PubMed:12761161, ECO:0000269|PubMed:15845541, ECO:0000269|PubMed:16868960}.
Molecular Weight:	81.5 kDa
UniProt:	Q5KU26
Pathways:	Activation of Innate immune Response

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months