Datasheet for ABIN7534241

CLEC10A Protein (His tag)

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Overview

Quantity:	100 µg
Target:	CLEC10A
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLEC10A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD301 Protein
Sequence:	QNSKFQRDLV TLRTDFSNFT SNTVAEIQAL TSQGSSLEET IASLKAEVEG FKQERQAGVS ELQEHTTQKA HLGHCPHCPS VCVPVHSEML LRVQQLVQDL KKLTCQVATL NNNASTEGTC CPVNWVEHQD SCYWFSHSGM SWAEAEKYCQ LKNAHLVVIN SREEQNFVQK YLGSAYTWMG LSDPEGAWKW VDGTDYATGF QNWKPGQPDD WQGHGLGGGE DCAHFHPDGR WNDDVCQRPY HWVCEAGLGQ TSQESH
Specificity:	Gln61-His316
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.

Target Details

Target:	CLEC10A

Target Details

Alternative Name:	CD301 (CLEC10A Products)
Background:	Description: CLEC10A, also known as macrophage galactose/N-acetyl-galactosamine (GalNAc) specific lectin (MGL), CD301, DC-ASGPR, and HML, is a 40 kDa type II transmembrane glycoprotein that belongs to the C-type lectin family. C-type lectin family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. CLEC10A is expressed on macrophages and related cells of myeloid origins, particularly immature dendritic cells (DCs). CLEC10A plays a protective role against colitis by effectively inducing IL-10 production by colonic lamina propria macrophages in response to invading commensal bacteria. Name: CLEC10A,CD301,CLECSF13,CLECSF14,HML,HML2,MGL
Gene ID:	10462
UniProt:	Q8IUN9

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.