

Recombinant Human CLEC10A protein, Fc-tagged

Cat. No. CLEC10A-348H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLEC10A protein (Gln61-His316), fused to human IgG1 Fc tag at N-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	256
Description	C-type lectin domain family 10 member A (CLEC10A) is also known as C-type lectin superfamily member 14 (CLECSF14), Macrophage lectin 2, CD antigen CD301. CLEC10A/CD301 is a unique calcium-type (C-type) lectin, which expressed on Dendritic cells (DCs). CLEC10A/CD301 probable role in regulating adaptive and innate immune responses. CLEC10A/CD301 binds in a calcium-dependent manner to terminal galactose and N-acetylgalactosamine (GalNAc), linked to serine or threonine. There are two homologues in mice: MGL1 and MGL2 (CD301a and CD301b).
Form	Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 55.7 kDa. The protein migrates as 60-75 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>92% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	CLEC10A
Official Symbol	CLEC10A
Synonyms	CLEC10A; C-type lectin domain family 10, member A; C type (calcium dependent, carbohydrate recognition domain) lectin, superfamily member 14 (macrophage derived) , CLECSF13, CLECSF14; C-type lectin domain family 10 member A; CD301; HML; HML2; macrophage lectin 2 (calcium dependent); C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 13 (macrophage-derived); C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 14 (macrophage-derived); MGL; CLECSF13; CLECSF14
Gene ID	10462
mRNA Refseq	NM_006344
Protein Refseq	NP_006335

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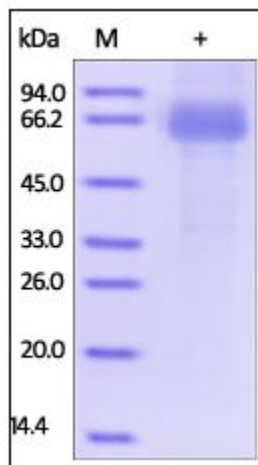
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MIM 605999

UniProt ID Q8IUN9

**SDS-PAGE of
CLEC10A-348H**



Human CLEC10A, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 92%.

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