

Active Recombinant Human CLEC5A/MDL-1 Protein, His-tagged, Active dimer

Cat. No. CLEC5A-11054H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CLEC5A, His Tag is expressed from human 293 cells (HEK293). It contains AA Pro 28 - Lys 188 (Accession # Q9NY25-1). This protein carries a polyhistidine tag at the N-terminus. Predicted N-terminus: His
Species	Human
Source	HEK293
ProteinLength	28-188 aa
Description	CLEC5A, also known as MDL1 and MDL-1, is a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. CLEC5A is expressed on monocytes, macrophages, and neutrophils. Its expression is up-regulated on monocytes in rheumatoid arthritis. CLEC5A with dnax-activation protein 12 and may play a role in cell activation. It also functions as a positive regulator of osteoclastogenesis. CLEC5A acts as a key regulator of synovial injury and bone erosion during autoimmune joint inflammation. The binding of dengue virus to CLEC5A triggers signaling through the phosphorylation of TYROBP, this interaction does not result in viral entry, but stimulates proinflammatory cytokine release.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	The purity of Human CLEC5A, His Tag is more than 95% and the molecular weight of this protein is around 70-90 kDa verified by SEC-MALS.

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Molecular Mass	The protein has a calculated MW of 39.0 kDa. The protein migrates as 60-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU/μg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CLEC5A C-type lectin domain family 5, member A [Homo sapiens (human)]
Official Symbol	CLEC5A
Synonyms	CLEC5A; C-type lectin domain family 5, member A; C type (calcium dependent, carbohydrate recognition domain) lectin, superfamily member 5, CLECSF5; C-type lectin domain family 5 member A; MDL 1; C-type lectin superfamily member 5; myeloid DAP12-associating lectin 1; myeloid DAP12-associating lectin-1; C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 5; MDL1; MDL-1; CLECSF5; MGC138304;
Gene ID	23601

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Protein Refseq NP_037384

MIM 604987

UniProt ID Q9NY25

SDS-PAGE.



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