

Active Recombinant Human CLEC5A Protein, Tyr26-Lys188, N-9xHis tagged

Cat. No. CLEC5A-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Human MDL-1/CLEC5A Protein (Tyr26-Lys188) with an N-terminal 9-His tag was expressed in Mouse myeloma cell line.

Species

Human

Source

NS0

ProteinLength

Tyr26-Lys188

Description

This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this 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. The encoded type II transmembrane protein interacts with dnax-activation protein 12 and may play a role in cell activation. Alternative splice variants have been described but their full-length sequence has not been determined.

Bio-activity

Measured by its binding ability in a functional ELISA. When Recombinant Human Galectin-9 is coated at 0.5 µg/mL (100 µL/well), the concentration of Recombinant Human MDL-1/CLEC5A that produces 50 % optimal binding response is typically 3-18 ng/mL.

Molecular Mass

Predicted Molecular Mass: 20 kDa
SDS-PAGE: 34-45 kDa, reducing conditions

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N-terminal Sequence Analysis	His
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 95 %, by SDS-PAGE with silver staining
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 100 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

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

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Gene ID	23601
mRNA Refseq	NM_013252
Protein Refseq	NP_037384
MIM	604987
UniProt ID	Q9NY25

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