

Recombinant Human CLEC11A Protein, Gly19-Phe323, C-6×His tagged

Cat. No. CLEC11A-50H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLEC11A Protein, Gly19-Phe323, with an N-terminal Met and a C-terminal 6-His tag was expressed in Mouse myeloma cell line.
Species	Human
Source	Mouse myeloma cell
ProteinLength	Gly19-Phe323
Description	This gene encodes a member of the C-type lectin superfamily. The encoded protein is a secreted sulfated glycoprotein and functions as a growth factor for primitive hematopoietic progenitor cells. An alternative splice variant has been described but its biological nature has not been determined.
Bio-activity	Measured by its ability to promote the expansion of E16 rat liver mononuclear cells in vitro, in the presence of Recombinant Mouse SCF/c-kit Ligand, Recombinant Mouse Thrombopoietin/Tpo), and Recombinant Mouse Flt-3 Ligand. The ED50 for this effect is 0.12-0.6 µg/mL in the presence of cross-linking antibody, Mouse Anti-polyHistidine Monoclonal Antibody.
Molecular Mass	Predicted Molecular Mass: 34.7 kDa SDS-PAGE: 50 kDa, reducing conditions
Endotoxin	<0.10 EU/µg of the protein by the LAL method.

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Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
N-terminal Sequence Analysis	Met
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 with BSA as a carrier protein.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 100 µg/mL in PBS containing at least 0.1% human or bovine serum albumin.
References	1. Mio, H. et al. (1998) Biochem. Biophys. Res. Commun. 249:124. 2. Bannwarth, S. et al. (1998) J. Biol. Chem. 273:1911. 3. Hiraoka, A. et al. (1997) Proc. Natl. Acad. Sci. 94:7577.

GENE INFORMATION

Gene Name	CLEC11A C-type lectin domain containing 11A [Homo sapiens (human)]
Official Symbol	CLEC11A
Synonyms	CLEC11A; C-type lectin domain containing 11A; P47; SCGF; LSLCL; CLEC3F3; C-type lectin domain family 11 member A; C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 3; C-type lectin superfamily member

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3; lymphocyte secreted C-type lectin; lymphocyte secreted long form of C-type lectin; osteolectin; stem cell growth factor; stem cell growth factor; lymphocyte secreted C-type lectin

Gene ID 6320

mRNA Refseq NM_002975

Protein Refseq NP_002966

MIM 604713

UniProt ID Q9Y240

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