

Recombinant Human C-Type Lectin Domain Family 11, Member A

Cat. No. CLEC11A-1204H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Stem CLEC11A contains 227 amino acid residues. Its molecular weight is 25000 Dalton.
Species	Human
Source	E.coli
Description	CLEC11A is a protein that in humans is encoded by the CLEC11A gene. CLEC11A 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.
Form	Lyophilized from PBS, pH 7.3.
Molecular Weight	25.0 kDa
Purity	> 98% as determined by SDS-PAGE and HPLC analyses
Endotoxin Level	<0.1 ng/g of CLEC11A
Biological Activity	Determined by its inhibitory effect on the proliferation of TF-1 cells, previously grown in media containing GM-CSF. The ED50 for this effect is 7 ng/ml. For most in vitro applications, SCGF-β exerts its biological activity in the concentration range of 0.2 to

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20.0 ng/ml.

Reconstitution

Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully solubilize the protein to a concentration of 0.1-1.0 mg/ml. After complete solubilization of the protein, it can be further diluted into buffer containing carrier protein or medium containing serum. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed.

Storage

Stable for 1 year in working aliquots at -80. Avoid repeated freeze-thaw cycles.

Official Symbol

CLEC11A

GENE INFORMATION

Gene Name

CLEC11A C-type lectin domain family 11, member A [Homo sapiens]

Synonyms

CLEC11A; C-type lectin domain family 11, member A; P47; SCGF; LSLCL; CLECSF3; stem cell growth factor; Stem cell growth factor; Lymphocyte secreted C-type lectin; lymphocyte secreted long form of C-type lectin; C-type lectin superfamily member 3

Gene ID

6320

mRNA Refseq

NM_002975

Protein Refseq

NP_002966

MIM

604713

UniProt ID

Q9Y240

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Chromosome Location	19q13.3
Function	ATP binding; creatine kinase activity; nucleotide binding

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