

# Recombinant Human CLEC11A Protein, T7-His-TEV-tagged

**Cat. No.** CLEC11A-001H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Full-length extracellular domain of human CLEC11A cDNA (22 – 323 aa, derived from BC005810) was constructed with codon optimization and expressed with a small T7-His-TEV cleavage site Tag (29aa) fusion at its N-terminal. This protein is expressed in E.coli as inclusion bodies. The final product was refolded and chromatographically purified.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Liquid
<b>AA Sequence</b>	MASMTGGQQMGRGHHHHHHENLYFQGGEFARGAEREWEGGWGGAQEEERERE ALMLKHLQEALGLPAGRGDENPAGTVEGKEDWEMEEDQGESEEEEAATPTPSSGPS PSPTPEDIVTYILGRLAGLDAGLHQLHVRLHALDTRVVELTQGLRQLRNAAGDTRDA VQALQEAQGRAEREHGRLEGCLKGLRLGHKCFLLSRDFEAQAAAQARCTARGGSL AQPADRQQMEALTRYLRAALAPYNWPVWLGVHDRRAEGLYLFENGQRVSFFAWH RSPRPELGAQPSASPHPLSPDQPNGGTLENCVAQASDDGSWWDHDCQRRLLYYVC EFPF

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<b>Purity</b>	> 90% by SDS-PAGE.
<b>Applications</b>	<ol style="list-style-type: none"> <li>1. May be used for in vitro -glycosylated CLEC11A protein mediated HSC regulation study with this protein as either coating matrix protein or as soluble factor.</li> <li>2. May be used for CLEC11A protein – protein interaction assay.</li> <li>3. May be used as enzymatic substrate for various proteases.</li> <li>4. May be used for specific antibody production.</li> </ol>
<b>Storage</b>	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.
<b>Concentration</b>	0.5 mg/ml
<b>Storage Buffer</b>	Sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.

## GENE INFORMATION

<b>Gene Name</b>	CLEC11A
<b>Official Symbol</b>	CLEC11A C-type lectin domain containing 11A [ Homo sapiens (human) ]
<b>Synonyms</b>	CLEC11A; C-type lectin domain containing 11A; P47; SCGF; LSLCL; CLECSF3; C-type lectin domain family 11 member A; C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 3; C-type lectin superfamily member 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
<b>Gene ID</b>	6320

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<b>mRNA Refseq</b>	NM_002975
<b>Protein Refseq</b>	NP_002966
<b>MIM</b>	604713
<b>UniProt ID</b>	Q9Y240

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