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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
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.
Form	Liquid
AA Sequence	MASMTGGQQMGRGHHHHHHENLYFQGGEFARGAEREWEGGWGGAQEEERERE ALMLKHLQEALGLPAGRGDENPAGTVEGKEDWEMEEDQGEEEEEEATPTPSSGPS PSPTPEDIVTYILGRLAGLDAGLHQLHVRLHALDTRVVELTQGLRQLRNAAGDTRDA VQALQEAQGRAEREHGRLEGCLKGLRLGHKCFLLSRDFEAQAAAQARCTARGGSL AQPADRQQMEALTRYLRAALAPYNWPVWLGVHDRRAEGLYLFENGQRVSFFAWH RSPRPELGAQPSASPHPLSPDQPNGGTLENCVAQASDDGSWWDHDCQRRLYYVC EFPF

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Purity	> 90% by SDS-PAGE.
Applications	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. 2. May be used for CLEC11A protein – protein interaction assay. 3. May be used as enzymatic substrate for various proteases. 4. May be used for specific antibody production.
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.
Concentration	0.5 mg/ml
Storage Buffer	Sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.

GENE INFORMATION

Gene Name	CLEC11A
Official Symbol	CLEC11A C-type lectin domain containing 11A [Homo sapiens (human)]
Synonyms	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
Gene ID	6320

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mRNA Refseq	NM_002975
Protein Refseq	NP_002966
MIM	604713
UniProt ID	Q9Y240

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