SCGF Blocking Peptide – >85% Purity

PRODUCT OVERVIEW

Product Name	SCGF (CLEC11A), Blocking Peptide
Full Product Name	SCGF Blocking Peptide
Product Gene Name	CLEC11A blocking peptide
Product Synonym Names	CLECSF3; LSLCL; SCGF; C-type lectin domain family 11 member A; C-type lectin superfamily member 3; Lymphocyte secreted C-type lectin; Stem cell growth factor; p47
Host	Synthetic
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized Powder
Purity/Purification	>85%
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Antibody/Peptide Pairs	SCGF peptide (MBS8243597) is used for blocking the activity of SCGF antibody (MBS8242372)
Molecular Weight	35,695 Da
OMIM	604713
Quality Control	The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.
Applications Tested/Suitable for CLEC11A blocking peptide	Blocking (BL)
Application Notes for CLEC11A blocking peptide	Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4 degree C for overnight or at room temperature for 2 hours.
Related Product Information for CLEC11A blocking peptide	MBS8243597 is a blocking peptide targeting CLEC11A. Also known as SCGF Blocking Peptide. Reactive in Human, Mouse, Rat. Host: Synthetic. The peptide is used to block Anti-SCGF Antibody reactivity.
Other Notes	Small volumes of CLEC11A blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLEC11A. It may not necessarily be applicable to this product.

NCBI GI #	34223087
NCBI GeneID	6320
NCBI Accession #	Q9Y240.1
UniProt Primary Accession #	Q9Y240
UniProt Secondary Accession #	B2RAD4
UniProt Related Accession #	Q9Y240
NCBI Official Full Name	C-type lectin domain family 11 member A
NCBI Official Synonym Full Names	C-type lectin domain family 11 member A

NCBI Official Symbol	CLEC11A
NCBI Official Synonym Symbols	P47; SCGF; LSLCL; CLECSF3
UniProt Protein Name	C-type lectin domain family 11 member A
UniProt Synonym Protein Names	C-type lectin superfamily member 3; Lymphocyte secreted C-type lectin; Stem cell growth factor; p47
Protein Family	C-type lectin domain family
UniProt Gene Name	CLEC11A
UniProt Synonym Gene Names	CLECSF3; LSLCL; SCGF
UniProt Entry Name	CLC11_HUMAN
NCBI Protein Information	C-type lectin domain family 11 member A
NCBI Summary for CLEC11A	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. [provided by RefSeq, Jul 2008]
UniProt Comments for CLEC11A	CLEC11A: Stimulates the proliferation and differentiation of hematopoietic precursor cells from various lineages, including erythrocytes, lymphocytes, granulocytes and macrophages. Acts synergistically with other cytokines, including IL-3, GCSF, GMCSF and FLT3 ligand. Suppresses SCF-stimulated erythrocyte proliferation. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: cytoplasm; extracellular region; extracellular space Molecular Function: carbohydrate binding; growth factor activity Biological Process: positive regulation of cell proliferation
Research Articles on CLEC11A	**1.** This is the first report of SCGF beta in heart failure patients.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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