

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

Cat. No. CLEC11A-1409H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human C-type Lectin Domain Family 11, Member A was expressed in <i>E. Coli</i> . MW=33.9 kDa.
Species	Human
Source	E.coli
Description	Human stem cell growth factor α (SCGF- α) is a 33.9 kDa polypeptide containing 305 amino acid residues. SCGF- α and SCGF- β are hematopoietic growth factors that exert their activity at the early stages of hematopoiesis.
Specific Activity	$\geq 1 \times 10^6$ U/mg.
Product Format	Sterile filtered, lyophilized.
Stabilizer	None.
Purity	>98% (SDS-PAGE, HPLC).
Endotoxin Level	<0.1 ng/ μ g (1 EU/ μ g).
Buffer	PBS (pH 7.3).
Biological Activity	The ED ₅₀ of ≤ 10 ng/mL was determined by dose-dependent inhibition of the

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proliferation of human TF-1 cells, previously grown in media containing GM-CSF.

Reconstitution

We recommend a quick spin followed by reconstitution in deionized sterile-filtered water to a concentration of 0.1–1.0 mg/mL. This protein is slow to dissolve. It is recommended that further dilutions be made into buffer containing carrier protein or medium containing serum. This solution can then be diluted into other aqueous buffers and stored at 4 °C for 1 week or –20 °C for future use

Storage

The lyophilized protein, though stable at room temperature, is best stored at –20 °C. Reconstituted Human SCGF-α should be stored in working aliquots at –20 °C. Avoid repeated freeze-thaw cycles.

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 (calcium dependent, carbohydrate-recognition domain) 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
Function	binding; growth factor activity; sugar binding