

## CLEC11A

### Recombinant Human Stem Cell Growth Factor-beta

<b>Catalog No.</b>	CRS401B	<b>Quantity:</b>	10 µg
<b>Alternate Names:</b>	C-type lectin domain family 11 member A, SCGF-alpha, p47, C-type lectin superfamily member 3		
<b>Description:</b>	SCGF- $\alpha$ and - $\beta$ are hematopoietic growth factor that exerts their activity at early stages of hematopoiesis. The SCGFs are non-glycosylated species-specific cytokines that can support growth of primitive hematopoietic cells, and in combination with EPO or GM-CSF, promote proliferation or erthroid or myeloid progenitors, respectively.		
<b>UniProt ID:</b>	Q9Y240		
<b>Gene ID:</b>	6320		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	25.0 kDa (227 aa)		
<b>Formulation:</b>	Lyophilized from PBS, pH 7.3		
<b>Purity:</b>	> 98% by SDS-PAGE and HPLC analyses		
<b>Endotoxin Level:</b>	< 1 EU/µg		
<b>Biological Activity:</b>	ED <sub>50</sub> typically 7 ng/ml, determined by its inhibitory effect on the proliferation of TF-1 cells, previously grown in media containing GM-CSF. For most <i>in vitro</i> applications, SCGF- $\beta$ exerts its biological activity in the concentration range of 0.2 to 20.0 ng/ml.		
<b>Amino Acid Sequence:</b>	MGHGARGAER EWEGGWGGAQ EEEREREALM LKHLQEALGL PAGRGDENPA GTVEGKEDWE MEEDQGE EEE EEATPTPSSG PSPSPTPEDI VTYILGRLAG LDAGLHQLHV RLHALDTRVV ELTQGLRQLR NAAGDTRDAV QALQEAQGRA EREHGRLEGC LKGLRLGHKC FLLSRDFEAQ PSASPHPLSP DQPNGGTLEN CVAQASDDGS WWDHDCQRRL YYVCEFPF		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute with PBS to a concentration of not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted into other buffered solutions such as PBS pH 7.0.		
<b>Storage &amp; Stability:</b>	Lyophilized protein is stable for 1 year at -20°C to -80°C. Store reconstituted protein in working aliquots at -20°C to -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		

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