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Product datasheet for RC202429

SCGF (CLEC11A) (NM_002975) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCGF (CLEC11A) (NM_002975) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SCGF
Synonyms:	CLECSF3; LSLCL; P47; SCGF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RC202429 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGGCAGCCTGGCTTTTGGGGGCTTTGGTGGTCCCCCAGCTCTTGGGCTTTGGCCATGGGGCTCGGG
GAGCAGAGAGGGAGTGGGAGGGAGGCTGGGGAGGTGCCCAGGAGGAGGAGCGGGAGAGGGAGGCCCTGAT
GCTGAAGCATCTGCAGGAAGCCCTAGGACTGCCTGCTGGGAGGGGGGATGAGAATCCTGCCGGAACTGTT
GAGGGAAAAGAGGACTGGGAGATGGAGGAGGACCAGGGGGAGGAAGAGGAGGAGGAAGCAACGCCAACCC
CATCCTCCGGCCCCAGCCCCTCTCCCACCCCTGAGGACATCGTCACTTACATCCTGGGCCGCCTGGCCGG
CCTGGACGCAGGCCTGCACCAGCTGCACGTCCGTCTGCACGCGTTGGACACCCGCGTGGTCGAGCTGACC
CAGGGGCTGCGGCAGCTGCGGAACGCGGCAGGCGACACCCGCGATGCCGTGCAAGCCCTGCAGGAGGCGC
AGGGTCGCGCCGAGCGCGAGCACGGCCGCTTGGAGGGCTGCCTGAAGGGGCTGCGCCTGGGCCACAAGTG
CTTCCTGCTCTCGCGCGACTTCGAAGCTCAGGCGGCGGCGCAGGCGCGGTGCACGGCGCGGGGCGGGAGC
CTGGCGCAGCCGGCAGACCGCCAGCAGATGGAGGCGCTCACTCGGTACCTGCGCGCGGCGCTCGCTCCCT
ACAACTGGCCCGTGTGGCTGGGCGTGCACGATCGGCGCGCCGAGGGCCTCTACCTCTTCGAAAACGGCCA
GCGCGTGTCCTTCTTCGCCTGGCATCGCTCACCCCGCCCCGAGCTCGGCGCCCAGCCCAGCGCCTCGCCG
CATCCGCTCAGCCCGGACCAGCCCAACGGTGGCACGCTCGAGAACTGCGTGGCGCAGGCCTCTGACGACG
GCTCCTGGTGGGACCACGACTGCCAGCGGCGTCTCTACTACGTCTGCGAGTTCCCCTTC

ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA
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Protein Sequence:

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>RC202429 protein sequence
Red=Cloning site Green=Tags(s)

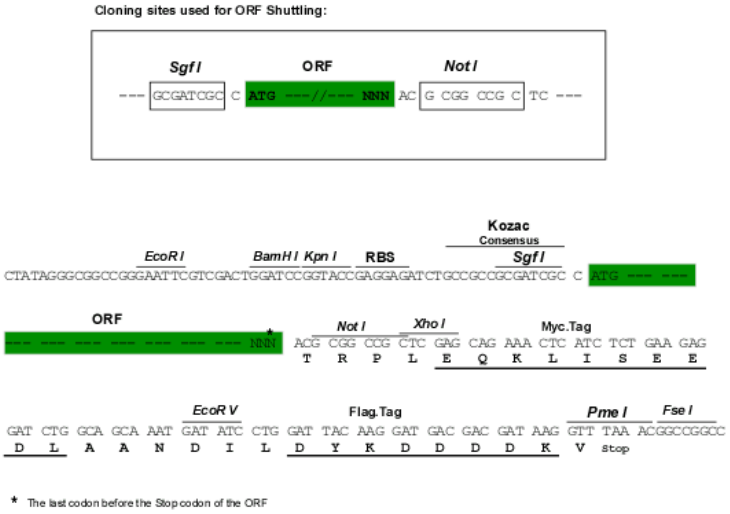
MQAAWLLGALVVPQLLGFGHGARGAEREWEGGWGGAQEEEREREALMLKHLQEALGLPAGRGDENPAGTV
EGKEDWEMEEDQGEEEEEEATPTPSSGPSPSPTPEDIVTYILGRLAGLDAGLHQLHVRLHALDTRVVELT
QGLRQLRNAAGDTRDAVQALQEAQGRAEREHGRLEGCLKGLRLGHKCFLLSRDFEAQAAAQARCTARGGS
LAQPADRQQMEALTRYLRAALAPYNWPVWLGVHDRRAEGLYLFENGQRVSFFAWHRSPRPELGAQPSASP
HPLSPDQPNGGTLENCVAQASDDGSWWDHDCQRRLYYVCEFPF

TRPLEQKLISEEDLAANDILDYKDDDDKV
```

Chromatograms: https://cdn.origene.com/chromatograms/mk6274_d11.zip

Restriction Sites: SgfI-NotI

Cloning Scheme:



ACCN: NM_002975

ORF Size: 969 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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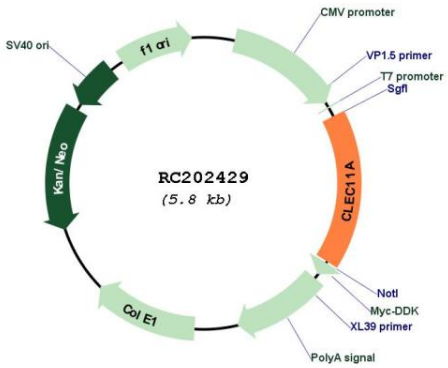
Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	NM_002975.3
RefSeq Size:	1423 bp
RefSeq ORF:	972 bp
Locus ID:	6320
UniProt ID:	Q9Y240
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome, Secreted Protein
MW:	35.7 kDa
Gene Summary:	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]

Product images:



Circular map for RC202429

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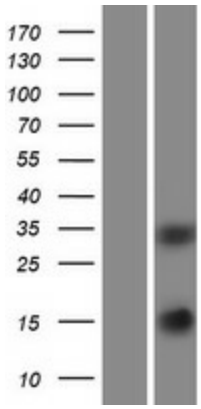

Western blot validation of overexpression lysate (Cat# [LY418980]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202429 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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