

Product datasheet for **RG216860**

SRCRB4D (SSC4D) (NM_080744) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRCRB4D (SSC4D) (NM_080744) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SSC4D
Synonyms:	S4D-SRCRB; SRCRB-S4D; SRCRB4D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216860 representing NM_080744
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACAAGGAAGCAGAGATGCTAATTGGTCCCAGCTGGATGAGAAGCGCTGGGGTGGAGTTGGGAG
 ATGGGAGTGCTGCCCTCCCTTCTCCCAAGCCCTGTCTTCTTCTCCTCCTGCCACTGGCCAGCGC
 CCTACAGCCCACTCCACTGCCCTTTCAAGAGCTGAGGCTGGTGGGGGCCCCAGCCGCTGCCGGGCCGC
 CTGGAAGTCATGCACGGTGGCTCCTGGGCAGCGTCTGTGATGACGACTGGGACGTGGTGGACGCCAACG
 TAGTGTGTCGCCAGCTGGGCTGTGGCTGGCACTGCCCGTCCACGGCCCTTGCCTTTGGCCAAGGCCG
 AGGCCCATCCTGCTGGACAACGTGGAGTGCCGCGGCAGGAAGCTGCGCTGAGCGAGTGCAGCCAGCCG
 GGCTGGGGCGTCCACAATTGCTTCTACTACGAGGATGTGGCTGTCTGTGATGAATTCTTGCCAACGC
 AGCCCCAACAAAGGAAGATGTTAAACAGTAGAGCACCTCTACGACTGCCGAATGAAAAAGTGAGGG
 CAGCGTACGCCTGGTAGGGGCGCGAACCTGTGTACGGCCGAGTGGAGATCCTGCACAGTGGCCTGTGG
 GGCACCGTGTGTGACGACTGGGGCTGCCGATGCCGCTGTGGTCTGTCTGACAGTGGGCTGCCGGG
 CGGCCATGGCCGCCACCACCAACGCCTTCTCGGCTATGGCACCGGACACATCCTGCTGGACAACGTGCA
 CTGCGAAGGCGCGAGCCCCGCTGGCAGCCTGCCAGAGCCTGGGCTGGGGTGTGCAACTGCGGCCAC
 CACGAGGACGCGGGCGCGCTCTGCGCAGGCCTGGTCCCCAACGCTCACAGCACTGCCATCCTCAGCCA
 CAAGAGAGGACTGGGCTTGGCAGACAGATCCGTCGCTACAGGAGTTGGCCCCAGCCTTCCCGGAGAC
 AGCACTGCTCACACCGCCGCTGGGCCGCGGGAAGAAAAGTGGACGGCTGCGACTGGTGGGCGGCCCG
 GGTCCGTGCCCGCGCGCTGGAGTGTGCACGCCGGGGCTGGGGCACCGTGTGCGACGATGACTGGG
 ACTTTGCGGACGCGCGCTGGCCTGCCGGAAGCGGGCTGCGGGCTGCGCTGGGCGCTACGGGACTGG
 CCACTTCGGCTACGGCCCGCGCCCGTGTCTGGACAACGTGGGCTGCGCCGGCACCGAGGCTCGCCTG
 AGCGACTGCTTCCACTGGGCTGGGGCCAGCACAACTGCGGCCACCACGAGGACGCGGGAGCGCTCTGCG
 CAGGCCCAGAGGAGTGGGACTGCAAGTCCAGCAGGATGGTTCTGAGACCACGCGGGTGCCACTCCTCG
 GCCCAGGACGGGCATCTACGTCTGGTCAATGGAGCCCACCGATGCGAGGGACGTGTAGAGCTCTACCTA
 GGGCAACGGTGGGCACTGTCTGTGATGATGCTTGGGACTGCGGGCAGCCGGTGTCTGTGCCGCCAGC
 TGGGCTGTGGCCAGGCCCTCGCAGCCCCTGGCAGGCTCACTTTGGCCAGGCCGAGGCCCATCTCTCT
 GGACAATGTCAAGTGCCGTGGGAAGAAAGTGTCTGTCTGCTCTCATATCCGCTGGGATGCCAC
 AACTGTGACCACAGCGAGGATGCCAGTGTCTGTGCCAGCCTTCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG216860 representing NM_080744
 Red=Cloning site Green=Tags(s)

MHKEAEMLIQPQLDEKRWGRLGDGSAAPPFLPQALSFLLLLPLASALQPTPLPFQELRLVGGPSRCRGR
 LEVMHGGSWGSDDDWDVVDANVVCRLGCGLALPVPRPLAFGQGRGPIILLDNVECRGQEAALSECGRS
 GWGVHNCFHVEDVAVLCDEFLLPTQPPTKMLTSRAPPTLPNGKSEGSVRLVGGANLCQGRVEILHSLW
 GTVDDDDWGLPDAAVVCRQLGCGAAMAATTNAFFGYGTGHILLDNVHCEGGEPRLAACQSLGWGVHNCGH
 HEDAGALCAGLGPPTLTALPSSATREDWAWQTDPSATGVGPQPSRETTAATAWAAGKKSRLRLVGGP
 GPCRGRVEVLHAGGWGTVDDDDWDFADARVACREAGCGPALGATGLGHFYGRGPVLLDNVGCAGTEARL
 SDCFHLGWGQHNCGHEDAGALCAGPEELGLQVQDQSETRVPTPRPRDGLRLVNGAHRCEGRVELYL
 GQRWGTVCDDAWDLRAAGVLCRQLGCGQALAAPGEAHFGPGRGPIILLDNVKCRGEESALLLCSHIRWDAH
 NCDHSEDASVLCQPS

TRTRPLE – GFP Tag – V

Restriction Sites:

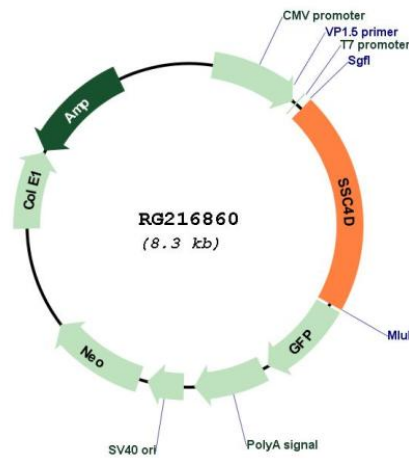
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_080744
 ORF Size: 1725 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).
Reconstitution Method:	<ol style="list-style-type: none">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.
RefSeq:	NM_080744.2
RefSeq Size:	2806 bp
RefSeq ORF:	1728 bp
Locus ID:	136853
UniProt ID:	Q8WTU2
Cytogenetics:	7q11.23
Protein Families:	Druggable Genome
Gene Summary:	The scavenger receptor cysteine-rich (SRCR) superfamily is an ancient and highly conserved group of cell surface and/or secreted proteins, some of which are involved in the development of the immune system and the regulation of both innate and adaptive immune responses. Group B SRCR domains usually contain 8 regularly spaced cysteines that give rise to a well-defined intradomain disulfide-bond pattern.[supplied by OMIM, Apr 2004]