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Product datasheet for MR214569

Ssc5d (NM_173008) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ssc5d (NM_173008) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ssc5d
Synonyms:	A430110N23Rik; S5D-SRCRB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR214569 representing NM_173008
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGGGCTTGGCCTGCCTCCTTGCAATGCTGGTGGGGATCCAGGCTATAGAGCGACTCCGCCTGGCTG
ATGGTCCTCATGGCTGCGCAGGACGCCTGGAGGTCTGGCACAGCGGGCGCTGGGGCACCGTGTGTGATGA
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GGCTGGACCCAGCAGGTGCTCTGGCCGGCTGGAGGTATGGCATGACGGACGCTGGGGGACAGTATGTGAT

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GACAGCTGGGACATGAGAGACTCAGCTGTGGTCTGCCGGGAGCTGGGCTGTGGGAGGCCTCGGCAACCAG
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Protein Sequence:

>MR214569 representing NM_173008
Red=Cloning site Green=Tags(s)

MRGLACLLAMLVGIQAIERLRLADGPHGCAGRLEVWHSGRWGTVCDDGWDLRDAEVACRVLGCGGALAAP
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AWGKHNCDHEEDVVLTCTGYTGDDDYPSWTWDPTSGEDLTKGTTVAARPGHTLSWATTTNTEVPSPATQN
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PTSATTSSPASSSSPEPSGSRQTSGSWPQLIPDSKQEGTSSSPKPSLLTPGLPSPATFALSTPNTSLLPT
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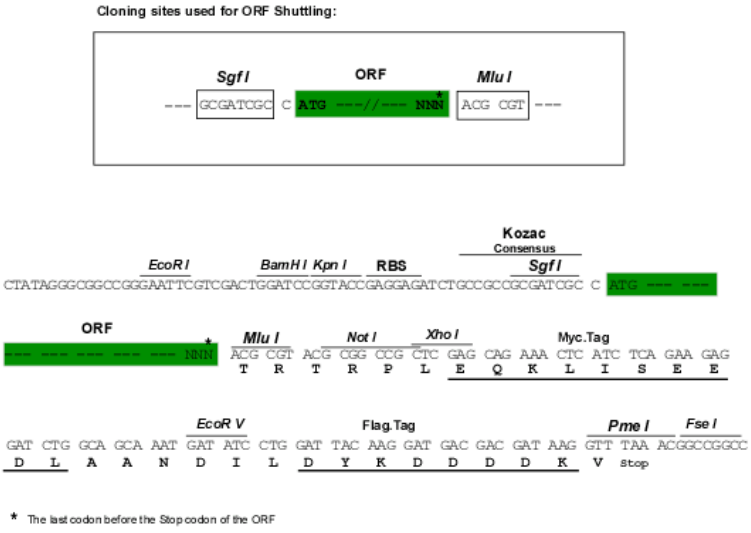
Restriction Sites: SgfI-MluI

Cloning Scheme:



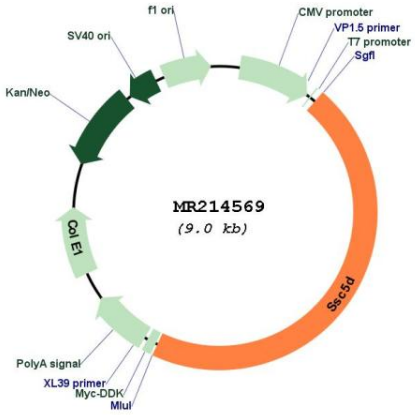
* The last codon before the Stop codon of the ORF

ACCN: NM_173008

ORF Size: 4113 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:	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_173008.3
RefSeq Size:	4260 bp
RefSeq ORF:	4116 bp
Locus ID:	269855
UniProt ID:	Q8BV57
Cytogenetics:	7 A1
MW:	144.6 kDa
Gene Summary:	Binds to extracellular matrix proteins. Binds to pathogen-associated molecular patterns (PAMPs) present on the cell walls of Gram-positive and Gram-negative bacteria and fungi, behaving as a pattern recognition receptor (PRR). Induces bacterial and fungal aggregation and subsequent inhibition of PAMP-induced cytokine release. Does not possess intrinsic bactericidal activity. May play a role in the innate defense and homeostasis of certain epithelial surfaces.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR214569