

Product datasheet for MC207356

Srgn (NM_011157) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Srgn (NM_011157) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Srgn
Synonyms:	Prg; Prg1; Sgc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207356 representing NM_011157 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCAGGTTCCCGTCGGCAGCAGGCTTGCTGGCTCTCGCCTTCGTCCTGGTTTGGGGATCTTCAGTGC
AAGGTTATCCTGCTCGGAGAGCCAGGTACCACTGGGTCCGCTGCAAACCGAATGGCTTTTTGCGAACTG
CATCGAGGAGAAGGGACCACAGTTTGACCTAATAGATGAATCAATAACATCGGCCCTCCCATGAATAAT
CCTGTTTTGATGGAAGGACCCTCAAAGATTTTCATCTCCAATTATGATGACTATGGGTGAGTTCCGGCT
CCGGCTCTGGCTCCGGCTCTGGCTCGGGTTCGGCTCCGGAAGTGGCTTCCTAGGTGACATGGAATGGGA
ATACCAGCCAACAGATGAAAGCAATATTGTCTATTTCAACTATAAGCCTTTGACAGGATTCTCACTGAG
CAAACCAAGACCAACCAGAAGACGATTTTATTAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_011157
Insert Size:	459 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



[View online »](#)

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_011157.2</u> , <u>NP_035287.1</u>
RefSeq Size:	938 bp
RefSeq ORF:	459 bp
Locus ID:	19073
UniProt ID:	<u>P13609</u>
Cytogenetics:	10 B4
Gene Summary:	<p>Plays a role in formation of mast cell secretory granules and mediates storage of various compounds in secretory vesicles. Required for storage of some proteases in both connective tissue and mucosal mast cells and for storage of granzyme B in T-lymphocytes. Plays a role in localizing neutrophil elastase in azurophil granules of neutrophils. Mediates processing of MMP2. Plays a role in cytotoxic cell granule-mediated apoptosis by forming a complex with granzyme B which is delivered to cells by perforin to induce apoptosis. Regulates the secretion of TNF-alpha and may also regulate protease secretion. Inhibits bone mineralization.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the predominant, but shorter, transcript. It has a transcriptional start site that is internal relative to that of variant 2. Variants 1 and 2 encode the same protein.</p>