

Product datasheet for **RG209123**

SSPN (NM_005086) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSPN (NM_005086) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SSPN
Synonyms:	DAGA5; KRAG; NSPN; SPN1; SPN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209123 representing NM_005086 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAAGAACAAGCAGCCACGCGCCAGCAGAGGCAGGGGGCCCGCCGGCCGGACGCCGCTGGGC
CCGACGACATGGAGCCGAAGAAGGGCACGGGGCCCCAAGGAGTGCGGGGAGGAGAGCCCCGGACCTG
CTGCGGCTGCCGTTCCCGCTGCTGCTCGCCCTGCTGCAGCTGGCCCTGGGCATCGCCGTGACCGTGGTG
GGCTTCCTCATGGCGAGCATCAGCTCCTCCCTGCTAGTCAGGGACTCCATTTGGGCTGGGATCATTG
TCTGCTTAGTGGCTATCTTGGCTTGTTATGCTTTGTGTCTCATATCAGTTGACGAACGGACATGTAT
TCAATTTTCTATGAAACTGTTATACTTTCTGCTGAGTGCCTGGGCCCTGACGGTCTGTGTCTGGCCGTG
GCCTTTGCCGCCACCACTATTCGAGCTCACACAGTTTACCTGTGAGACCACACTCGACTCTTGCCAGT
GCAAACCTGCCCTCCTCGGAGCCGCTCAGCAGGACCTTTGTTTACCGGGATGTGACGGACTGTACCAGCGT
CACTGGCACTTTCAAACCTGTTCTTACTCATCCAGATGATTCTTAATTTGGTCTGCGGCCTTGTGTCTTG
TTGGCCTGCTTTGTGATGTGAAACATAGGTACCAGTCTTCTATGTGGGTGTCAGGATATGCTCCCTCA
CGGCTTCCGAAGGCCCCAGCAAAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209123 representing NM_005086
Red=Cloning site Green=Tags(s)

MGKNKQPRGQQRQGGPPAADAAGPDDMEPKGTGAPKECGEEEPRTCCGCRFPLLLALLQLALGIAVTVV
 GFLMASISSLLVRDTPFWAGIIVCLVAYLGLFMLCVSYQVDERTCIQFSMKLLYFLLSALGLTVCVLAV
 AFAAHHSYQLTQFTCETTLDSCQCKLPSSEPLSRTFVYRDVTDCTSVTGTFLKLLIQMILNLVCGLVCL
 LACFVMWKHRYQVFYVGVRICSLTASEGPQQKI

TRTRPLE - GFP Tag - V

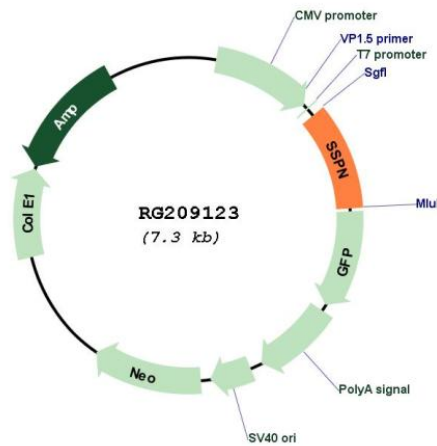
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_005086

ORF Size: 729 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_005086.5
RefSeq Size:	2707 bp
RefSeq ORF:	732 bp
Locus ID:	8082
UniProt ID:	Q14714
Cytogenetics:	12p12.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a member of the dystrophin-glycoprotein complex (DGC). The DGC spans the sarcolemma and is comprised of dystrophin, syntrophin, alpha- and beta-dystroglycans and sarcoglycans. The DGC provides a structural link between the subsarcolemmal cytoskeleton and the extracellular matrix of muscle cells. Two alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq, Oct 2008]