

Product datasheet for **RG234058**

SPOCK2 (NM_001244950) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPOCK2 (NM_001244950) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SPOCK2
Synonyms:	testican-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234058 representing NM_001244950 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCGCCCCGGGCTGCGGGCGGCTGGTGTGCCGCTGCTCCTGGCCGCGGCAGCCCTGGCCGAAG
GCGACGCCAAGGGGCTCAAGGAGGGCGAGACCCCGCAATTTTCATGGAGGACGAGCAATGGCTGTCGTC
CATCTCGAGTACAGCGGCAAGATCAAGCACTGGAACCGCTTCCGAGACGAAGTGGAGGATGACTATATC
AAGAGCTGGGAGGACAATCAGCAAGGAGATGAAGCCCTGGATACCACCAAGGACCCCTGCCAGAAGTGA
AGTGCAGCGGCCACAAGGTGTGATTGCCAGGGCTACCAGCGGCCATGTGCATCAGTCGCAAGAAGCT
GGAGCACAGGATCAAGCAGCCGACCGTGAACCTCCATGGAACAAAGACTCCATCTGCAAGCCCTGCCAC
ATGGCCCAGCTTGCCCTGTCTGCGGCTCAGATGGCCACACTTACAGCTCTGTGTGAAGCTGGAGCAAC
AGGCGTGCCTGAGCAGCAAGCAGCTGGCGGTGCGATGCGAGGGCCCTGCCCTGCCACCGGAGCAGGC
TGCCACCTCCACCGCCGATGGCAAACAGAGACTTGCACCGGTACAGGACCTGGCTGACCTGGGAGATCGG
CTGCGGGACTGGTTCCAGCTCCTTCATGAGAACTCCAAGCAGAATGGCTCAGCCAGCAGTGTAGCCGGCC
CGCCAGCGGGCTGGACAAGAGCCTGGGGGCCAGCTGCAAGGACTCCATTGGCTGGATGTCTCCAAGCT
GGACACCAAGTGTGACCTCTTCTGGACCAGCAGGAGCTGGCCGCATCAACCTGGACAAGTACGAGGTC
TGATCCGTCCTTCTCAACTCCTGTGACACCTACAAGGATGGCCGGTCTCTACTGTGAGTGGTGTGCT
TCTGCTTCTGGAGGGAGAAGCCCCCTGCCTGGCAGAGCTGGAGCGCATCCAGATCCAGGAGGCCGCAA
GAAGAAGCCAGGCATCTTCATCCGAGCTGCGACGAGGATGGCTACTACCGGAAGATGCAGTGTGACCAG
AGCAGCGGTGACTGCTGGTGTGTGGACCAGCTGGGCTGGAGCTGACTGGCACGCGCAGCATGGGAGCC
CCGACTGCGATGACATCGTGGGCTTCTCGGGGACTTTGGAAGCGGTGTCGGCTGGGAGGATGAGGAGGA
GAAGGAGACGGAGGAAGCAGGCGAGGAGGCCGAGGAGGAGGGCGAGGCAGGCAGGCTGACGACGGG
GGCTACATCTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG234058 representing NM_001244950
 Red=Cloning site Green=Tags(s)

MRAPGCGRLVLP LLLLLAAAALAE GDAKGLKEGETPGNFMED EQWLSSISQYSGKIKHWNFRDEVEDDYI
 KSWEDNQQGDEALDTTKDPCQKVKCSRHKVCIAQGYQRAMCISRKKLEHRIKQPTVKLHGNKDSICKPCH
 MAQLASVCGSDGHTYSSVCKLEQQACLSSKQLAVRCEGPCPCPTEQAATSTADGKPETCTGQDLADL GDR
 LRDWFQLLHENS KQNGSASSVAGPASGLDKSLGASCKDSIGWFMF SKLDT S ADLFLDQTELA AINLDKYE V
 CIRPFFNSCDTYKDRVSTA EWCF CFWREKPPCLAELERIQIQEA AKKPGIFIPSCDEDGYRKMQCDQ
 SSGDCWCVDQLGLELGTGRTHGSPDCDDIVGFSGDFGSGVGEDEEEKETEEAGEAEEEEEGEAGEADDG
 GYIW

TRTRPLE - GFP Tag - V

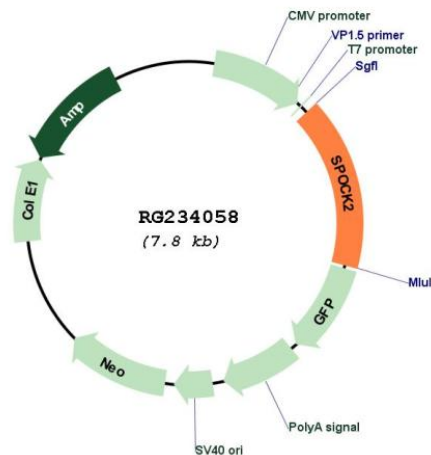
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001244950

ORF Size:	1272 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_001244950.2
RefSeq Size:	5463 bp
RefSeq ORF:	1275 bp
Locus ID:	9806
UniProt ID:	Q92563
Cytogenetics:	10q22.1
Protein Families:	Secreted Protein
Gene Summary:	This gene encodes a protein which binds with glycosaminoglycans to form part of the extracellular matrix. The protein contains thyroglobulin type-1, follistatin-like, and calcium-binding domains, and has glycosaminoglycan attachment sites in the acidic C-terminal region. Three alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Oct 2011]