

Product datasheet for **SC123361**

RSPO2 (NM_178565) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RSPO2 (NM_178565) Human Untagged Clone
Tag:	Tag Free
Symbol:	RSPO2
Synonyms:	CRISTIN2; HHRRD; TETAMS2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_178565 edited
CGACGAGATGGGAACTTTCTGAATTAAGCAGCAATCCC GCGCTGGTTTTCTGGGGAGTC
CTCGCCTCCAGAGCTAGTTATGTATCAAATCCCATTTGCAAGGTTGTTTGTCTTGTTCA
AAGGACAATGGGTGTAGCCGATGTCAACAGAAGTTGTTCTTCTCCTTCGAAGAGAAGGG
ATGCGCCAGTATGGAGAGTGCCTGCATTCTGCCCATCCGGTACTATGGACACCGAGCC
CCAGATATGAACAGATGTGCAAGATGCAGAATAGAAAAGTGTATTCTTGCTTTAGCAA
GACTTTTTGTACCAAGTGCAAAGTAGGCTTTTATTTGCATAGAGGCCGTTGCTTTGATGAA
TGTCCAGATGGTTTTGCACCATTAGAAGAAACCATGGAATGTGTGGAAGGATGTGAAGTT
GGTCATTGGAGCGAATGGGGAACCTGTAGCAGAAATAATCGCACATGTGGATTTAAATGG
GGTCTGGAACCAGAACACGGCAAATTGTTAAAAAGCCAGTAAAAGACACAATACCGTGT
CCAACCATTGCTGAATCCAGGAGATGCAAGATGACAATGAGGCATTGTCCAGGAGGGAAG
AGAACACCAAAGGCGAAGGAGAAGAGGAACAAGAAAAAGAAAGGAAGCTGATAGAAAGG
GCCCAGGAGCAACACAGCGTCTTCTAGCTACAGACAGAGCTAACCAATAAAACAAGAGA
TCCGGTAGATTTTTAGGGGTTTTGTTTTGCAAATGTGCACAAAGCTACTCTCCACTCC
TGCACACTGGTGTGCAGCCTTTGTGCTGCTCTGCCAGTATCTGTTCCCAGTAACATGGT
GAAAGGAAGCACCACCAGCATGGCCCTGTGTTATTTATGCTTTGATTTGAATCTGGAGA
CTGTGAAGGCAGGAGTAAGTGCACAGCCCGTACTGGCTCAGTGTGTGCTGAGAGAATC
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ACTTGTGCCTATTTATGTGAAAGAAGATGCTTGGCAGGCAATGCGCTACTCACTCGTGAC
CTTTATTTCTCACATTGTGCATTTTCAAGGATATGTTTGTGTGGATATCTGCTTAGTGT
ACCACATGGTATTTCTCAGCATGTTACCTTCACTGTTGTGCGATGAAACTGCTTTTAGC
TGAGGATATGCTCTGAAATTCCTGCTCAGTTTCACTGCAGCCCTAATATGTACATATAC
TGCAGGAGCTACATATAAAGCTCTTATTTACTGTATATTTATGCTTTCTGTGGGTAACA
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TGTCCCACACATATAGATAAAGCAGCAGGCGGCATCTGGCAATCAGAAGCCCAAAGTCC
TTTGAGTCTAAGATGTGATGACTTTGATGAAACACAAGTAAAACATGAGGGACTATATC
CAGTCACTTGTAGCCAGTTTACAGGCCAGCTACAGAATTGTCCAAACAAACATTATTT
TGACTGCAATTTTTTCCCCAAATTTAAAGCAATCCCTGGCTTTAAATGACAAGGCACC
TACCAATGTTCTTGGGTCAGTGAAGAAGCTACTACCATGAGCCTGTGCATAGAATTTAG
GAGATAAAAGGATGAATTTCTGTGACTGCCAGTCAAGTCTTAAACAGGTTTCTGTTGAGCC
AGAATCTGTTTCAGATCCAAGATGGAGAGGAACACTATGGAAACTTCCAGGTGACTTTT
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AGAAAAATAATGGTTGTGGATTTTGAACAAAGCAAGGTAAGGCCTTTTTTTTTTACCTT
GCATTGGCAAAACTACCTCTTCAAGTGTTTTTAACTTTTGTATTCAAAGCATCTTACCAAT
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GAATGTTGTATACAACCTTAGGGTTTACATTTAATCCTGAAGTGTACCTCCTTTTATGT
CTATTTACTACTATTTTCCATTTACTAAGTGGGAGGGGGTCTCCTTATATAGTGCTTCA
TCGTAAATAAGTCAATACCTGTTGTTCTGGGATGTTCTTTTTGTGCATTAAAACTTC
AAAATTAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_178565 unedited GGGATANGATTTGTATACGACTTTTATAGGGCGGCCGCGATTCCCGGGATCGACGAGATG GGAAC TTTCTGAATTAAGCAGCAATTC CCGCGCTGGTTTTCTGGGGAGTCTCGCCTCCA GAGCTAGTTATGTATCAAATCCCATTGCAAGGGTTGTTTGTCTTGTTC AAAGGACAATG GGTGTAGCCGATGTCAACAGAAGTTGTTCTTCTTCCTCGAAGAGAAGGGATGCGCCAGT ATGGAGAGTGCCTGCATTCTGCCCATCCGGGTACTATGGACACCGAGCCCCAGATATGA ACAGATGTGCAAGATGCAGAATAGAAAAC TGTGATTCTTGCTTTAGCAAAGACTTTTGTA CCAAGTGCAAAGTAGGCTTTTATTTGCATAGAGGCCGTTGCTTTGATGAATGTCCAGATG GTTTTGCACCATTAGAAGAAACCATGGAATGTGTGGAAGGATGTGAAGTTGGTCATTGGA GCGAATGGGGAAC TTGTAGCAGAAATAATCGCACATGTGGATTTAAATGGGGTCTGGAAA CCAGAACACGGCAAATTGTTAAAAGCCAGT GAAAGACACAATACCGTGTCCAACCATTG CTGAATCCAGGAGATGCAAGATGACAATGAGGCATTGTCCAGGAGGGAAGAGAACACCAA AGGCGAAGGAGAAGAGGAACATGATAAAGAAAAGGAAGCTGATAGAAAGGGCCCAGGAGC AACACAGCGTCTTCTAGCTACAGACAGAGCTAACCAATGAAACAAGAGATCCGGTAGAT TTTTAGGGGTTTTGTTTTGCAAATGTGCACAAAGCTACTCTTCACTCCTGCACACTGG TGTGCAGCCTTTGTGCTGCTGCTGCCAGTATCTGTTTCCAGTAACATGGTGAAGGAAGC ACCCCCACCATGCCCTGTG
Restriction Sites:	Please inquire
ACCN:	NM_178565
Insert Size:	2498 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).
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_178565.2 , NP_848660.1
RefSeq Size:	2498 bp
RefSeq ORF:	531 bp
Locus ID:	340419
UniProt ID:	Q6UXX9
Cytogenetics:	8q23.1
Protein Families:	Secreted Protein

Gene Summary:

This gene encodes a member of the R-spondin family of proteins. These proteins are secreted ligands of leucine-rich repeat containing G protein-coupled receptors that enhance Wnt signaling through the inhibition of ubiquitin E3 ligases. A chromosomal translocation including this locus that results in the formation of a gene fusion has been identified in multiple human cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).