

Product datasheet for **SC128235**

RSPO3 (NM_032784) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RSPO3 (NM_032784) Human Untagged Clone
Tag:	Tag Free
Symbol:	RSPO3
Synonyms:	CRISTIN1; PWTSR; THSD2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_032784 edited ATGCACTTGGCAGTATTTCTTGGCTTTTTATCATTTTGAACCTTATGGAATACATCGGC AGCCAAAACGCCTCCCGGGGAAGGCGCCAGCGAAGAATGCATCCTAACGTTAGTCAAGGC TGCCAAGGAGGCTGTGCAACATGCTCAGATTACAATGGATGTTTGTATGTAAGCCAGA CTATTTTTTGTCTGGAAAGAATTGGCATGAAGCAGATTGGAGTATGTCTCTTTCATGT CCAAGTGGATATTATGGAACCTCGATATCCATATATAAATAAGTGTACAAAATGCAAAGCT GACTGTGATACCTGTTTCAAAAAATTTCTGCACAAAATGTAAGTGGATTTACTTA CACCTTGGAAAGTGCCTTGACAATTGCCAGAAGGTTGGAAGCCAACAACCACTACTATG GAGTGTGTCAGTATTGTGCACTGTGAGGTCAGTGAATGGAATCCTTGGAGTCCATGCACG AAGAAGGGAAAAACATGTGGCTTCAAAAAGAGGGACTGAAACACGGGTCGAGAAAATAATA CAGCATCCTTCAGCAAAGGTAACCTATGTCCCCAACAAATGAGACAAGAAAGTGTACA GTGCAAAGGAAGAAGTGTGAGAAGGAGAACGAGGAAAAAAGGAAGGGAGAGGAAAAGA AAAAAACCTAATAAAGGAGAAAGTAAAGAAGCAATACCTGACAGCAAAAGTCTGGAATCC AGCAAAGAAATCCCAGAGCAACGAGAAAACAAACAGCAGCAGAAGAAGCGAAAAGTCCAA GATAAACAGAAATCGGTATCAGTCAGCACTGTACACTAG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032784 unedited NCGGCCGCGNAATTCTGCACGAGGGGAAAAGNGAAGGCAAGCATTACTGGGTTACTATGCA CTTGCGACTGATTTCTTGGCTTTTTATCATTGAACTTTATGGAATACATCGGCAGCCA AAACGCCTCCCGGGGAAGGCGCCAGCGAAGAATGCATCCTAACGTTAGTCAAGGCTGCCA AGGAGGCTGTGCAACATGCTCAGATTACAATGGATGTTTGTATGTAAGCCCAGACTATT TTTTGTCTGGAAAGAATTGGCATGAAGCAGATTGGAGTATGTCTCTCTCATGTCCAAG TGGATATTATGGAACCTCGATATCCATATATAAATAAGTGTACAAAATGCAAAGCTGACT TGATACCTGTTTCAACAAAAATTTCTGCACAAAATGTAAGGAGTGGATTTACTTACACCT TGGAAAGTGCCCTTGACAATTGCCCAGAAGGTTGGAAGCCAACAACCATACTATGGAGTG TGTCAAGTATTGTCACTGTGAGGTCAGTGAATGGAATCCTTGGAGTCCATGCACGAAGAA GGGAAAAACATGTGGCTTCAAAAGAGGGACTGAAACACGGGTCGAGAAAATAACAGCA TCCTTCAGCAAAGGTAACCTATGTCCCAACAATGAGACACGAAAGTGTACAGTGCAA AGGAAGAAGTGTGAGAAGGAGAACGAGGAAAAAAGAAGGGAGAGGAAAAGATAAAACC TAATAAAGGAGGAAGTAAAGAAAGCATTCTGACAGCAAAAGTCTGGGATCCAGCAAAGA AATCCCAGAGCAGAGAAAAACAACAGCCAGCGAAGAGCGAAAAGTTCAGATAAAN
3' Read Nucleotide Sequence:	>Forward primer walk for NM_032784 unedited CCTNTATAAATAATGTACAAAATGCAAAGCTGACTGTGATACCTGTTTCACAAAAATTTCT GCACAAAATGTAAAAGTGGATTTTACTTACACCTTGGAAAAGTGCCTTGACAATTGCCAG AAGGGTTGGAAGCCAACAACCATACTATGGAGTGTGTCAAGTATTGTCACTGTGAGGTC GTGAATGGAATCCTTGGAGTCCATGCACGAAGAAGGGAAAAACATGTGGCTTCAAAAGAG GGACTGAAACACGGGTCGAGAAAATAACAGCATCCTTCAGCAAAGGTAACCTATGTC CCCAACAAAATGAGACAAGAAAGTGTACAGTGCANAGGAAGAAGTGTGAGAAGGAGAAC GAGGAANAAAAGGAAGGGAGAGGAAAAGAAAAAACNTATAAAGGAGAAAGTAAAGAAG CAATACCTGACAGCAAAAGTCTGGAATCCAGCANAGAAATCCCAGAGCAACGAGAAAAACA AACAGCAGCAGAAGAAGCGAAAAGTCCAAGATAAACAGAAAATCGTATCAGTCAGCACTG TACACTAGAGGGTTCCATGAGANTATTGTAGACTCATGATGCTGTATCTCAACCAGATG CCCAGGACAAGTGCTCTAGCCCTTNAGACCCACAATGGACATGTCAAGTATTGCTCTGTC TAAACAACATTCCATGAGTGCTATTATCTTAATACAAGCATAGGTAACCAAGAGCCCA AAGATCAAGGAGGATACCTTCCAAAGGGTGGCTTGGGGCCTTCTGCCTTTTAAAAA AACAGAATTTCTTGTCAATTTATCCAATGGGCTTTTAGATGTAACACCCAATGTTGCCA TTTGAAAAAAAC
Restriction Sites:	Please inquire
ACCN:	NM_032784
Insert Size:	1900 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_032784.3 , NP_116173.2
RefSeq Size:	2165 bp
RefSeq ORF:	819 bp
Locus ID:	84870
UniProt ID:	Q9BXY4
Cytogenetics:	6q22.33
Domains:	tsp_1, FU
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>This gene belongs to the R-spondin family. The encoded protein plays a role in the regulation of Wnt (wingless-type MMTV integration site family)/beta-catenin and Wnt/planar cell polarity (PCP) signaling pathways, which are involved in development, cell growth and disease pathogenesis. Genome-wide association studies suggest a correlation of this gene with bone mineral density and risk of fracture. This gene may be involved in tumor development. [provided by RefSeq, Jul 2013]</p>