

Product datasheet for SC334211

RSPO2 (NM_001282863) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RSPO2 (NM_001282863) Human Untagged Clone
Tag:	Tag Free
Symbol:	RSPO2
Synonyms:	CRISTIN2; HHRRD; TETAMS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282863, the custom clone sequence may differ by one or more nucleotides

ATGCAGTTTCGCCTTTTCTCCTTTGCCCTCATCATTCTGAACTGCATGGATTACAGCCACTGCCAAGGCA
 ACCGATGGAGACGCAGTAAGCGAGGATGCAGAATAGAAAAGTGTATTCTTGCTTTAGCAAGACTTTTG
 TACCAAGTGCAAAGTAGGCTTTTATTTGCATAGAGGCCGTTGCTTTGATGAATGTCCAGATGGTTTTGCA
 CCATTAGAAGAAACCATGGAATGTGTGGGATGTGAAGTTGGTCATTGGAGCGAATGGGGAAGTTGTAGCA
 GAAATAATCGCACATGTGGATTTAAATGGGGTCTGGAAACAGAACACGGCAAATTGTTAAAAAGCCAGT
 GAAAGACACAATACTGTGTCCAACCATGCTGAATCCAGGAGATGCAAGATGACAATGAGGCATTGTCCA
 GGAGGGAAGAGAACACCAAAGGCGAAGGAGAAGAGGAACAAGAAAAAGAAAGGAAGCTGATAGAAAGGG
 CCCAGGAGCAACACAGCGTCTTCTAGCTACAGACAGAGCTAACCAATAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001282863
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).


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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:	<u>NM_001282863.1</u> , <u>NP_001269792.1</u>
RefSeq Size:	2777 bp
RefSeq ORF:	540 bp
Locus ID:	340419
UniProt ID:	<u>Q6UXX9</u>
Cytogenetics:	8q23.1
Protein Families:	Secreted Protein
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and lacks an in-frame exon in the central coding region compare to variant 1. The encoded isoform (2) is shorter than isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>