

## Product datasheet for **SC311064**

### RSPO4 (NM\_001040007) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RSPO4 (NM_001040007) Human Untagged Clone
Tag:	Tag Free
Symbol:	RSPO4
Synonyms:	C20orf182; CRISTIN4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001040007 edited GCCCTTGCCCGGATCCGGCTGCCAGATGCGGGCGCCACTCTGCCTGCTCCTGCTCGTCCG CCCACGCCGTGGACATGCTCGCCCTGAACCGAAGGAAGAAGCAAGTGGGCACTGGCCTGG GGGGCAACTGCACAGGCTGTATCATCTGCTCAGAGGAGAACGGCTGTTCCACCTGCCAGC AGAGGCTCTTCTGTTTCCGCGGGAAGGCATCCGCCAGTACGGCAAGTGCCTGCACG ACTGTCCCTGGTACTTCCGCATCCGCGGCCAGGAGTCAACAGGTGC:AAAAATGT GGGGCACTTGTGAGAGCTGCTTCCAGCCAGGACTTCTGCATCCGGTGCAAGAGGCAGTTT TACTTGTACAAGGGGAAGTGTCTGCCACCTGCCCGCGGGCACTTTGGCCACCAGAAC ACACGGGAGTGCCAGGAGAGGAGCCCCGCCAGAAGAAGGCAGGAAGGACCGGCCCA CGCAAGGACAGGAAGCTGGACCGCAGGCTGGACGTGAGGCCGCGCCAGCCGGCTGCAG CCCTGACCGCGGCTCTCCGACTCTCTGGTCTAGTCCTCGGAAGGGC
Restriction Sites:	Please inquire
ACCN:	NM_001040007
Insert Size:	600 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001040007.1.
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:**

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\\_001040007.1](#), [NP\\_001035096.1](#)

**RefSeq Size:** 2536 bp

**RefSeq ORF:** 519 bp

**Locus ID:** 343637

**UniProt ID:** [Q2I0M5](#)

**Cytogenetics:** 20p13

**Protein Families:** Secreted Protein

**Gene Summary:** This gene encodes a member of the R-spondin family of proteins that share a common domain organization consisting of a signal peptide, cysteine-rich/furin-like domain, thrombospondin domain and a C-terminal basic region. The encoded protein may be involved in activation of Wnt/beta-catenin signaling pathways. Mutations in this gene are associated with anonychia congenital. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]

Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. 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.