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Product datasheet for SC302453

RSPO4 (NM_001029871) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RSPO4 (NM_001029871) Human Untagged Clone
Tag:	Tag Free
Symbol:	RSPO4
Synonyms:	C20orf182; CRISTIN4
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001029871 edited ATGCGGGCGCCACTCTGCCTGCTCCTGCTCGTCGCCCACGCCGTGGACATGCTCGCCCTG AACCGAAGGAAGAAGCAAGTGGGCACTGGCCTGGGGGGCAACTGCACAGGCTGTATCATC TGCTCAGAGGAGAACGGCTGTTCCACCTGCCAGCAGAGGCTCTTCCTGTTCATCCGCCGG GAAGGCATCCGCCAGTACGGCAAGTGCCTGCACGACTGTCCCCCTGGGTACTTCGGCATC CGCGGCCAGGAGGTCAACAGGTGCAAAAAATGTGGGGCCACTTGTGAGAGCTGCTTCAGC CAGGACTTCTGCATCCGGTGCAAGAGGCAGTTTTACTTGTACAAGGGGAAGTGTCTGCCC ACCTGCCCGCCGGGCACTTTGGCCCACCAGAACACACGGGAGTGCCAGGGGGAGTGTGAA CTGGGTCCCTGGGGCGGCTGGAGCCCCTGCACACACAATGGAAAGACCTGCGGCTCGGCT TGGGGCCTGGAGAGCCGGGTACGAGAGGCTGGCCGGGCTGGGCATGAGGAGGCAGCCACC TGCCAGGTGCTTTCTGAGTCAAGGAAATGTCCCATCCAGAGGCCCTGCCCAGGAGAGAGG AGCCCCGGCCAGAAGAAGGGCAGGAAGGACCGGCGCCCACGCAAGGACAGGAAGCTGGAC CGCAGGCTGGACGTGAGGCCGCGCCAGCCCGGCCTGCAGCCCTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001029871 unedited
NNGGGTCAGTTCAAAATTTGTATACGACTCATATAGGCGGCCGCGATTCTGCGGGCGCCA
CTCTGCCTGCTCCTGCTCGTCGCCCACGCCGTGGACATGCTCGCCCTGAACCGAAGGAAG
AAGCAAGTGGGCACTGGCCTGGGGGGCAACTGCACAGGCTGTATCATCTGCTCAGAGGAG
AACGGCTGTTCCACCTGCCAGCAGAGGCTCTTCCTGTTCATCCGCCGGGAAGGCATCCGC
CAGTACGGCAAGTGCCTGCACGACTGTCCCCCTGGGTACTTCGGCATCCGCGGCCAGGAG
GTCAACAGGTGCAAAAAATGTGGGGCCACTTGTGAGAGCTGCTTCAGCCAGGACTTCTGC
ATCCGGTGCAAGAGGCAGTTTTACTTGTACAAGGGGAAGTGTCTGCCCACCTGCCCGCCG
GGCACTTTGGCCCACCAGAACACACGGGAGTGCCAGGGGGAGTGTGAACTGGGTCCCTGG
GGCGGCTGGAGCCCCTGCACACACAATGGAAAGACCTGCGGCTCGGCTTGNGGCCTGGAG
AGCCGGGTACGAGAGGCTGGCCGGGCTGGGCATGAGGAGGCAGCCACCTGCCAGGTGCTT
TCTGAGTCAAGGAAATGTCCCATCCAGAGGCCCTGCCCAGGAGAGAGGAGCCCCCGCCAG
AAGAAGGGCANGAAAGGACCGCGCCCACGCAAGACAGGAAAGCTGACCGCNAGCTGNACG
TGAGGCCGCGCCAGCCCGGCCTGCAGCCCTGACTCGACTCTAGATTGCGGCCGCCGTCAT
AGCTGTTTCCCTGACAGATCCCGGNTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCT
GGCCCTGGAAAGTGCACTCCAGTGCCCACCAGCCTTGTCCTAATAC

Restriction Sites: Please inquire

ACCN: NM_001029871

Insert Size: 700 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 open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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:
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_001029871.2, NP_001025042.2

RefSeq Size: 2722 bp

RefSeq ORF: 705 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 (1) represents the longer transcript and encodes the longer 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.