OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC224177

RSPO2 (NM_178565) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RSPO2 (NM_178565) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RSPO2
Synonyms:	CRISTIN2; HHRRD; TETAMS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224177 representing NM_178565 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCAGTTTCGCCTTTTCTCCTTTGCCCTCATCATTCTGAACTGCATGGATTACAGCCACTGCCAAGGCA ACCGATGGAGACGCAGTAAGCGAGCTAGTTATGTATCAAATCCCATTTGCAAGGGTTGTTTGTCTTGTTC AAAGGACAATGGGTGTAGCCGATGTCAACAGAAGTTGTTCTTCTTCCTTCGAAGAGAAGGGATGCGCCAG TATGGAGAGTGCCTGCATTCCTGCCCATCCGGGTACTATGGACACCGAGCCCCAGATATGAACAGATGTG CAAGATGCAGAATAGAAAACTGTGATTCTTGCTTTAGCAAAGACTTTTGTACCAAGTGCAAAGTAGGCTT TTATTTGCATAGAGGCCGTTGCTTTGATGAATGTCCAGATGGTTTTGCACCATTAGAAGAAACCATGGAA TGTGTGGAAGGATGTGAAGTTGGTCATTGGAGCGAATGGGGAACTTGTAGCAGAAATAATCGCACATGTG GATTTAAATGGGGTCTGGAAACCAGAACACGGCAAATTGTTAAAAAGCCAGTGAAAGACACAATACCGTG TCCAACCATTGCTGAATCCAGGAGATGCAAGATGACAATGAGGCATTGTCCAGGAGGGAAGAGAACACCA AAGGCGAAGGAGAAGAGGAACAAGAAAAAGAAAAGGAAGCTGATAGAAAGGGCCCAGGAGCAACACAGCG TCTTCCTAGCTACAGACAGAGCTAACCAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

Protein Sequence:

>RC224177 representing NM_178565
Red=Cloning site Green=Tags(s)

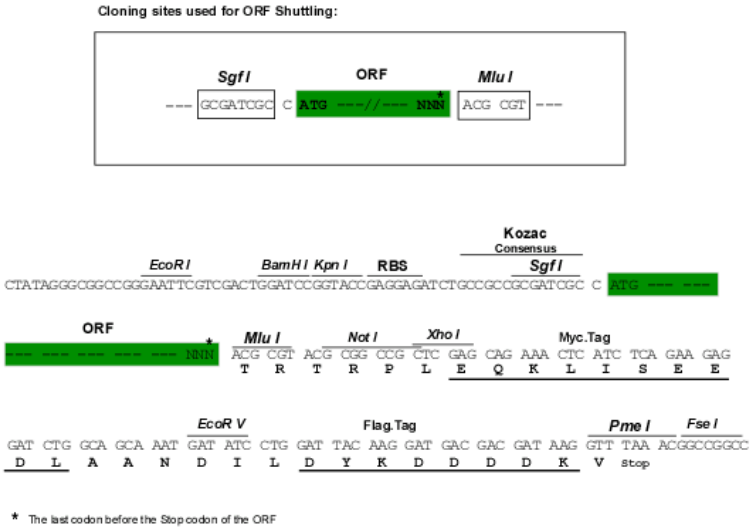
MQFRLFSFALIILNCMDYSHCQGNRWRRSKRASYVSNPICKGCLSCSKDNGCSRCQQKLFFFLRREGMRQ
YGECLHSCPSGYYGHRAPDMNRCARCRIENCDSCFSKDFCTKCKVGFYLHRGRCFDECPDGFAPLEETME
CVEGCEVGHWSEWGTCSRNNRTCGFKWGLETRTRQIVKKPVKDTIPCPTIAESRRCKMTMRHCPGGKRTP
KAKEKRNKKKKRKLIERAQEQHSVFLATDRANQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2553_c07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178565

ORF Size: 729 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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_178565.3, NP_848660.2

RefSeq Size: 2842 bp

RefSeq ORF: 732 bp

Locus ID: 340419

UniProt ID: Q6UXX9

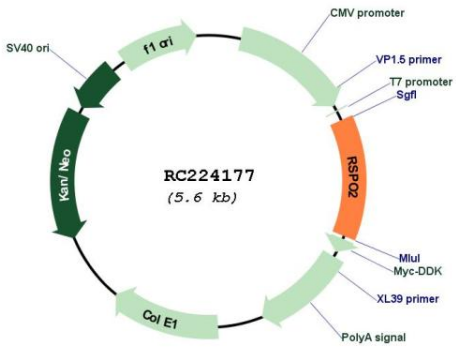
Cytogenetics: 8q23.1

Protein Families: Secreted Protein

MW: 28.1 kDa

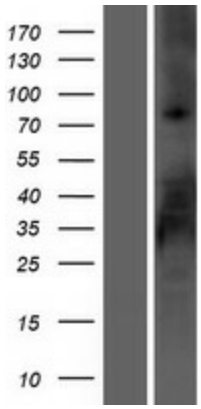
Gene Summary: This gene encodes a member of the R-spondin family of proteins. These proteins are secreted ligands of leucine-rich repeat containing G protein-coupled receptors that enhance Wnt signaling through the inhibition of ubiquitin E3 ligases. A chromosomal translocation including this locus that 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]

Product images:



Circular map for RC224177

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



Western blot validation of overexpression lysate (Cat# [LY403609]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224177 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US