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Product datasheet for SC114218

Relaxin 3 receptor 1 (RXFP3) (NM_016568) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Relaxin 3 receptor 1 (RXFP3) (NM_016568) Human Untagged Clone
Tag:	Tag Free
Symbol:	Relaxin 3 receptor 1
Synonyms:	GPCR135; RLN3R1; RXFPR3; SALPR
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC114218 sequence for NM_016568 edited (data generated by NextGen Sequencing)

ATGCAGATGGCCGATGCAGCCACGATAGCCACCATGAATAAGGCAGCAGGCGGGGACAAG
CTAGCAGAACTCTTCAGTCTGGTCCCGGACCTTCTGGAGGCGGCCAACACGAGTGGTAAC
GCGTCGCTGCAGCTTCCGGACTTGTGGTGGGAGCTGGGGCTGGAGTTGCCGGACGGCGCG
CCGCCAGGACATCCCCCGGGCAGCGGCGGGGCAGAGAGCGCGGACACAGAGGCCCGGGTG
CGGATTCTCATCAGCGTGGTGTACTGGGTGGTGTGCGCCCTGGGGTTGGCGGGCAACCTG
CTGGTTCTCTACCTGATGAAGAGCATGCAGGGCTGGCGCAAGTCCTCTATCAACCTCTTC
GTCACCAACCTGGCGCTGACGGACTTTCAGTTTGTGCTCACCCTGCCCTTCTGGGCGGTG
GAGAACGCTCTTGACTTCAAATGGCCCTTCGGCAAGGCCATGTGTAAGATCGTGTCCATG
GTGACGTCCATGAACATGTACGCCAGCGTGTTCTTCCTCACTGCCATGAGTGTGACGCGC
TACCATTCGGTGGCCTCGGCTCTGAAGAGCCACCGGACCCGAGGACACGGCCGGGGCGAC
TGCTGCGGCCGGAGCCTGGGGGACAGCTGCTGCTTCTCGGCCAAGGCGCTGTGTGTGTGG
ATCTGGGCTTTGGCCGCGCTGGCCTCGCTGCCCAGTGCCATTTTCTCCACCACGGTCAAG
GTGATGGGCGAGGAGCTGTGCCTGGTGCGTTTCCCGGACAAGTTGCTGGGCCGCGACAGG
CAGTTCTGGCTGGGCCTCTACCACTCGCAGAAGGTGCTGCTGGGCTTCGTGCTGCCGCTG
GGCATCATTATCTTGTGCTACCTGCTGCTGGTGCGCTTCATCGCCGACCGCCGCGCGGCG
GGGACCAAAGGAGGGGCCGCGGTAGCCGGAGGACGCCCGACCGGAGCCAGCGCCCGGAGA
CTGTCGAAGGTCACCAAATCAGTGACCATCGTTGTCCTGTCCTTCTTCCTGTGTTGGCTG
CCCAACCAGGCGCTCACCACCTGGAGCATCCTCATCAAGTTCAACGCGGTGCCCTTCAGC
CAGGAGTATTTCCTGTGCCAGGTATACGCGTTCCCTGTGAGCGTGTGCCTAGCGCACTCC
AACAGCTGCCTCAACCCCGTCCTCTACTGCCTCGTGCGCCGCGAGTTCCGCAAGGCGCTC
AAGAGCCTGCTGTGGCGCATCGCGTCTCCTTCGATCACCAGCATGCGCCCCTTCACCGCC
ACTACCAAGCCGGAGCACGAGGATCAGGGGCTGCAGGCCCCGGCGCCGCCCCACGCGGCC
GCGGAGCCGGACCTGCTCTACTACCCACCTGGCGTCGTGGTCTACAGCGGGGGGCGCTAC
GACCTGCTGCCCTGCAGCTCTGCCTACTGA

Clone variation with respect to NM_016568.3
1393 a=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016568 unedited
GCTACACTTGTTTTAACTCCATCTGGGGGGCGGCAACCCCTGTGATGGAATCTGCAGAAT
TTGGCTTGTACCTGCGCATGCAGATGGCCGATGCAGCCACGATAGCCACCATGAATAAGG
CAGCAGGCGGGGACAAGCTAGCAGAACTCTTCAGTCTGGTCCCGGACCTTCTGGAGGCGG
CCAACACGAGTGGTAACGCGTCGCTGCAGCTTCCGGACTTGTGGTGGGAGCTGGGGCTGG
AGTTGCCGGACGGCGCGCCGCCAGGACATCCCCCGGGCAGCGGCGGGGCAGAGAGCGCGG
ACACAGAGGCCCGGGTGCGGATTCTCATCAGCGTGGTGTACTGGGTGGTGTGCGCCCTGG
GGTTGGCGGGCAACCTGCTGGTTCTCTACCTGATGAAGAGCATGCAGGGCTGGCGCAAGT
CCTCTATCAACCTCTTCGTCACCAACCTGGCGCTGACGGACTTTCAGTTTGTGCTCACCC
TGCCCTTCTGGGCGGTGGAGAACGCTCTTGACTTCAAATGGCCCTTCGGCAAGGCCATGT
GTAAGATCGTGTCCATGGTGACGTCCATGAACATGTACGCCAGCGTGTTCTTCCTCACTG
CCATGAGTGTGACGCGCTACCATTCGGTGGCCTCGGCTCTGAAGAGCCACCGGACCCGAG
GACACGGCCGGGGCGACTGCTGCGGCCGGAGCCTGGGGGACAGCTGCTGCTTCTCGGCCA
AGGCGCTGTGTGTGTGGATCTGGGCTTTGGCCGCGCTGGCCTCGCTGCCCAGTGCCATTT
TCTCCACCACGGTCAAAGTGATGGGCGAGNAGCTGTGCCTGGTGCGTTTCCCGGACAAGT
TGCTGGGCCGCGACAGGCAAGTCTGGCTGGGCCTCTACCACTCGCAAAAGTGCTGCTGGG
C

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016568 unedited
GGATGGCACTGGGGCAGGGTCACAGGGCAGCCACCCGGGCTCTGTTCAGGAAACAGCTAT
GACCGCGGCCGCAATCTATAGTCGACAAGCTTGATATCGGTACCGAGCTCGGATCCACTA
GTAACGGCCGCCAGTGTGCTGGAATTCGGCTTTGAGGCCTGCGTCAGTAGGCAGAGCTGC
AGGGCAGCAGGTCGTAGCGCCCCCCGCTGTAGACCACGACGCCAGGTGGGTAGTAGAGCA
GGTCCGGCTCCGCGGCCGCGTGGGGCGGCGCCGGGGCCTGCAGCCCCTGATCCTCGTGCT
CCGGCTTGGTAGTGGCGGTGAAGGGGCGCATGCTGGTGATCGAAGGAGACGCGATGCGCC
ACAGCAGGCTCTTGAGCGCCTTGCGGAACTCGCGGCGCACGAGGCATTAGAGGACGGGGT
TGAGGCATCTGTTGGAGTGCGCTAGGCACACGCTCACAGGGAACGCGTATACCTGGCACA
GGAAATACTCCTGGCTGAAGGGCACCGCGTTGAACTTGATGAGGATGCTCCAGGTGGTGA
GCGCCTGGTTGGGCAGCCAACACAGGAAGAAGGACAGGACAACGATGGTCACTGATTTGG
TGACCTTCNACAGTCTCCGGGCCCTGGCTCCGGTCGGGCGTCCTCCGGCTACCGCGGCCC
CTCCTTTGGTCCCCCCCCCCCGGCGGTCGGCCATGAAACCCCACAACCCCAGGTACACAA
TATTATGGTGCCCAACCGCANCCCAAACCCAACACCCCCCTTTGCNAATTGTANAAGCCC
ACCCAAACTTGCTTGTCCCGCCCAACCACTTTTTCCGGAAACCCCCCAANCCCAACCTCC
CCCCCCTCACCTTGCCCTGGTGNAAAAAATTGCCCTGGCAACNAAGCCCGGCGCGCCAAG

Restriction Sites: Please inquire

ACCN: NM_016568

Insert Size: 1300 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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

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_016568.1, NP_057652.1

RefSeq Size: 1857 bp

RefSeq ORF: 1410 bp

Locus ID:	51289
UniProt ID:	Q9NSD7
Cytogenetics:	5p13.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	Receptor for RNL3/relaxin-3. Binding of the ligand inhibit cAMP accumulation. [UniProtKB/Swiss-Prot Function]