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Product datasheet for SC108347

CTRP5 (C1QTNF5) (NM_015645) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTRP5 (C1QTNF5) (NM_015645) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTRP5
Synonyms:	CTRP5; MFRP
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC108347 sequence for NM_015645 edited (data generated by NextGen Sequencing)

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ATGAGGCCACTCCTCGTCCTGCTGCTCCTGGGCCTGGCGGCCGGCTCGCCCCCACTGGAC
GACAACAAGATCCCCAGCCTCTGCCCGGGGCACCCCGGCCTTCCAGGCACGCCGGGCCAC
CATGGCAGCCAGGGCTTGCCGGGCCGCGATGGCCGCGACGGCCGCGACGGCGCGCCCGGG
GCTCCGGGAGAGAAAGGCGAGGGCGGGAGGCCGGGACTGCCGGGACCTCGAGGGGACCCC
GGGCCGCGAGGAGAGGCGGGACCCGCGGGGCCCACCGGGCCTGCCGGGGAGTGCTCGGTG
CCTCCGCGATCCGCCTTCAGCGCCAAGCGCTCCGAGAGCCGGGTGCCTCCGCCGTCTGAC
GCACCCTTGCCCTTCGACCGCGTGCTGGTGAACGAGCAGGGACATTACGACGCCGTCACC
GGCAAGTTCACCTGCCAGGTGCCTGGGGTCTACTACTTCGCCGTCCATGCCACCGTCTAC
CGGGCCAGCCTGCAGTTTGATCTGGTGAAGAATGGCGAATCCATTGCCTCTTTCTTCCAG
TTTTTCGGGGGGTGGCCCAAGCCAGCCTCGCTCTCGGGGGGGGCCATGGTGAGGCTGGAG
CCTGAGGACCAAGTGTGGGTGCAGGTGGGTGTGGGTGACTACATTGGCATCTATGCCAGC
ATCAAGACAGACAGCACCTTCTCCGGATTTCTGGTGTACTCCGACTGGCACAGCTCCCCA
GTCTTTGCTTAG

Clone variation with respect to NM_015645.3
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015645 unedited
AGTTCGCGATTTGTATACGACTCCTATAGGCGGCCGCGCAATTCGCACCAGGGGGGCTGG
AGCACCACCAACTGGNAGGTCCGGAGTAGCGAGCGCCCCGAAGAGGCCATCGGGGAGCCG
GGAGGGGGGACTGCGAGAGGACCCCGGCGTCCGGGCTCCCGGTGCCAGCGCTATGAGGCC
ACTCCTCGTCCTGCTGCTCCTGGGCCTGGCGGCCGGCTCGCCCCCACTGGACGACAACAA
GATCCCCAGCCTCTGCCCGGGGCACCCCGGCCTTCCAGGCACGCCGGGCCACCATGGCAG
CCAGGGCTTGCCGGGCCGCGATGGCCGCGACGGCCGCGACGGCGCGCCCGGGGCTCCGGG
AGAGAAAGGCGAGGGCGGGAGGCCGGGACTGCCGGGACCTCGAGGGGACCCCGGGCCGCG
AGGAGAGGCGGGACCCGCGGGGCCCACCGGGCCTGCCGGGGAGTGCTCGGTGCCTCCGCG
ATCCGCCTTCAGCGCCAAGCGCTCCGAGAGCCGGGTGCCTCCGCCGTCTGACGCACCCTT
GCCCTTCGACCGCGTGCTGGTGAACGAGCAGGGACATTACGACGCCGTCACCGGCAAGTT
CACCTGCCAGGTGCCTGGGGTCTACTACTTCGCCGTCCATGCCACCGTCTACCGGGCCAG
CCTGCAGTTTGATCTGGTGAAGAATGGCGAATCCATTGCCTCTTTCTTCCAGTTNTTCGG
GGGGTGGCCCAAGCCAGCCTCGCTCTCGGGGGGGGCCATGGTGAGGCTGGNAGCCTGAGA
CCAACTGTGGGTGCANGTGGGTGTGGGTGACTACATTGGCATCTATGCCAGCATCAAGAC
AGACAGCACCTTCTNCCGGATTTCTGGTGTACTCCGACTGGCACAGCTCCCCAGTCTTTG
CTTAGTGCCCACTGCAAATGAGCTCATGCTCTCCTNCTAGAAGAAGGTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015645 unedited
ACTGAGTACGCAGCTGCAATCTAGGAGTCGAGAAACAAACCTCGAGTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTGAGGGGTCTTAGGTTTATTGAGTGATCTCTGAGAAAAGGGC
CGGCCCCAGGAGCAGGAGGGGGTGGGGAGGATCCAGAGAAGCAGAGGACCAGGAAGAGAG
CACCCCACCGGGGGCTCCTGGACCAGAGCAACCGTGGTACTTACACTTGCCAGCACAGCA
CACTCCTCTGGTCTTGGGCAGAAATCCAGCCACTGCCCCATGCTGCCAGACCTGATCGCA
GACAGCCACTGTTCCCATTCCTTGCCAGCAGCAGGACGGAGAGTGCTCTACCCCACCTCC
CTAGTCATTCACAATATTCCAGGGGGGCCAGCCCTCCTGGATGACCTGGTTGTCAGCCTC
ACACCCTCCTTCTAGGAGTGAGAGCATGAGCTCACTTTGCAGTGGGCACTAAGCAAAGAC
TGGGGAGCTGTGCCAGTCGGAGTACACCAGAAATCCGGAGAAGGTGCTGTCTGTCTTGAT
GCTGGCATAGATGCCAATGTAGTCACCCACACCCACCTGCACCCACACTTGGTCCTCAGG
CTCCAGCCTCACCATGGGCCCCCCCGAGAGCGAGGCTGGGTTGGGCCACCCCCCGAAAAC
TGGAAGAAGGAGCCATGGATTCGCCTTCTTCAACAGAATCAAACTGAAGGCTGGCCCGGA
AAACGTGGCATGGACGGCAAAAAATAAAACCCAAGCACCCGGCAAGTGAAACTGCCGGGG
ACGGCGTCCAAAGGCCCTGGTCGTTACCAACACCCGGCCCAAGGAAAGGGGGCCTAAACA
GGGGAGCCCCCGGCTTTCGGAACCCTTGGCCCTAAAGGGGGATCCGGAGGCACCGAGAAC
TCCCGGGAGGCCCGGGGGGCCCCCGGGGTCCCGCCCTCTCTGGGGCCCGGGACCCCCTAA
G

Restriction Sites: NotI-NotI

ACCN: NM_015645

Insert Size: 1400 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_015645.2, NP_056460.1

RefSeq Size: 1360 bp

RefSeq ORF: 732 bp

Locus ID: 114902

UniProt ID: Q9BXJ0

Cytogenetics: 11q23.3

Domains: C1Q, Collagen

Protein Families: Secreted Protein

Gene Summary: This gene encodes a member of a family of proteins that function as components of basement membranes and may play a role in cell adhesion. Mutations in this gene have been associated with late-onset retinal degeneration. The protein may be encoded by either a bicistronic transcript including sequence from the upstream membrane frizzled-related protein gene (MFRP), or by a monocistronic transcript expressed from an internal promoter. [provided by RefSeq, Jun 2013]
Transcript Variant: This variant (1) represents the longer bicistronic transcript, which can encode both the C1QTNF5 and MFRP proteins; the C1QTNF5 protein is represented in this RefSeq. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.