

Product datasheet for SC317358

C5orf19 (REEP2) (NM_016606) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C5orf19 (REEP2) (NM_016606) Human Untagged Clone
Tag:	Tag Free
Symbol:	REEP2
Synonyms:	C5orf19; SGC32445; SPG72; Yip2d
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317358 representing NM_016606. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGTCTGGATCATCTCTCGCTGGTGGTGTCTCATCTTTGGCACCTGTACCCAGCCTATTCTTCC
TACAAGGCCGTGAAGACAAAAACGTGAAGGAATATGTGAAATGGATGATGACTGGATCGTCTTTGCC
TTCTTACCACGGCCGAGACGCTCACGGATATAGTGCTCTCTGGTTCCCTTCTACTTTGAACTGAAG
ATCGCTTCGTGATATGGCTGTGCCCTTACACCAAGGGCTCCAGCGTGTCTACCGCAAGTTCGTG
CACCCAACGCTGTCCAACAAGGAGAAGGAGATCGACGAGTACATCACGCAGGCCGAGACAAGAGCTAT
GAGACCATGATGAGGGTGGGCAAGAGGGCCTGAACCTTGCCGCAATGCTGCAGTACAGCTGCCGCC
AAGGGGTGTGTGAGAGAAGCTCCGCAGCTTACGATGCAGGACCTGACCCTGATCCGGGACGAGGAC
GCACTGCCCTGCAGAGGCTGACGGCCGCTCCGACCCAGCCCTGGCAGCCTCCTGGACACCATCGAG
GACTTAGGAGATGACCCTGCCCTGAGTCTAAGGTCCAGCACAACCCGGCAGATTCCTGGACAGAGGCT
TCTGAGGATGACATGGGAGACAAAGCTCCCAAGAGGGCCAAACCCATCAAAAAGCGCCAAAGCTGAG
CCACTGGCTTCCAAGACACTGAAGACCCGGCCAAAGAAGAAGACCTCTGGCGGGGGCGACTCAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_016606
Insert Size:	759 bp



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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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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:	<u>NM_016606.3</u>
RefSeq Size:	2203 bp
RefSeq ORF:	759 bp
Locus ID:	51308
UniProt ID:	<u>Q9BRK0</u>
Cytogenetics:	5q31.2
Protein Families:	Druggable Genome, Transmembrane
MW:	28.3 kDa
Gene Summary:	<p>This gene encodes a member of the receptor expression enhancing protein family. Studies of a related gene in mouse suggest that the encoded protein is found in the cell membrane and enhances the function of sweet taste receptors. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.</p>