

Product datasheet for **SC308660**

RAPH1 (NM_213589) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAPH1 (NM_213589) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAPH1
Synonyms:	ALS2CR9; ALS2CR18; LPD; PREL-2; PREL2; RaIGDS/AF-6; RMO1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_213589 edited

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ATGGAGCAGCTATCAGATGAAGAAATTGATCATGGTGCTGAAGAAGACAGTGACAAGGAA
GATCAGGACCTGGACAAAATGTTTGGAGCCTGGCTTGGAGAAGTACAGAAAAGTCACTCAG
AGTTTGGATTCTGACAAGCCCATGGAACCAAGTAAAAAGATCTCCTCTCGCCAGGAAACA
AACATGGCCAACCTTTTCTTACCGCTTCTCCATATACAAGTGAATGAAGCTCTGAATCAG
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AGCAGCATTGGTTCAGGAAACAGTAAGCGTCAAATCACAGAAACGAAAGCTACTCAGAAA
TTGCCTGTTAGCCGACATACATTGAAACATGGCACCTTGAAGGATTATCTTCTCATCT
AATAGGATAGCTAAACCTTCCCATGCCAGCTACTCCTTGGACGACGCTACTGCACAGTTA
GAACAGGCCTCTTTGAGTATGGATGAGGCTGCTCAGCAATCTGTACTAGAAGATACTAAA
CCCTTAGTAAGTAACTCAGCACAGAAGAACCGCGTCAGCAGGCACAGTGAGTGATGCTGAA
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GAGTCAGCCTATGATTGGACTTCCTTATCCAGCTCCAGCATTAAATCGGGATCCAGTTCT
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 TGGAAACGAGGCACTCAGTTGGAAGAGTCCAGCAAGGCCAGAATGGAGTCTATGAATCGG
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 CCTCCACCACCCCTCCTCCCCCACTCCCCAGCCAGTCTGCACCTTCTGCAGGCTCAGCA
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 GACCAGAACACCAAGCTCTCCAGAGACTGGTAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_213589 unedited
 CCGCCGTTGCGCAATGGGCGGTAGGCGTGGAAAGAGGGAGGTCTATATAAGCAGAGCTCG
 TTTAGTGAACCGTCAGAAATTTTGTAAATACGACTCACTATAGGGCGGCCGCGAATTCGGCA
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 CGCGAGCGGCGGTTTCTTGCCCGGGCGCGGGAAGGCCGACCGACTGCCGCGATGGAG
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 GACCTGGACAAAATGTTTGGAGCCTGGCTTGGAGAACTAGACTGACGCCGCGGTAATTGG
 TGTCTGAGAGCCCTTGGAAACCGCAAAAAGATCTCCTCTTCGCCAGGAAACAAACATGG
 CCAACTTTTCTTACCGCTTCTCCCTATACAACCTGAATGAAGCTCTGAATCAGGGAGAGA
 CTGTGGATCTGGATGCCTTGATGGCTGATCTTTGCTCTATAGAGCAGGAGCTCAGCAGCA
 TTGGTTTCAGGAAACAGTAAGCGTCAAATCACAGAAACGAAAGCTACTCAGAAATTGCCTG
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 GTAATAATCAGCACAGAGACCGGTCAGCAGGCACAGTGAGTGATGCTGAAGTACACTC
 TATTAGTAATTCTCCATTGAGCATCACTTCCGAGCCTCAGCATGGACTCTTGATATT
 GAAAAGTACACGCCCTCAGAAGCTGGATTGCACACATCAGGGCAGCCAATTACTGAGGA
 AAGAACAGGCAGGCA

3' Read Nucleotide Sequence:

>OriGene 3' genomic read for NM_213589 unedited
 ACTTCTATCTGCTCGCACCCCACTCCTCTTTTACACCCCTCCACCACCCCTCCTC
 CCCCATTCCCAACCGTCTGCACCTTCTACAGGCTCAACAAACCCCAATGTTTCGGAATGT
 TTTTGCAGAAATCTGCTACTGAATGCGTCTTGAATTAATGGGCCTGTGAAAGCCATGG
 CACCACCTCTGATGCAATCCCTTTCTTTGAATCCTCAGATCCTGGTACCTACTATTGTAC
 TTGTTCAAAAACCCACGTCCTTCTATCTGGTGTGCTTTGCTCTGCCAAGGCCAGCT
 AAAGCCTGCACCGTGTGCCCCATCCATTCCATAGTTCACTGCCCCGCCTCCTTGTCTGGT
 GATCAATCATCTTCAACTTATTACTAAAGTGGCTCCCCAACACCCCTTTGATCTGATCA
 TATCACTGCACTGCTTCTCCCAAGCTGGGATCAACCTTTTGTGACCATCCAAGCACCT
 ACCAATAACATAACTGTAGCCCCTGTTGAGAACAAAGCTGCACTATCAATGCATACTCTT
 ACAGTGCTCCCAACATAAAAGCAGATCCTTTCCCTGCTTCTTACATTCCACCCTCTCCCA
 CTACTCCTCTGTTCCAATACCCAGCTTACATTACCCAACCAACAGAACTTCTGTGCTC
 CACCACCTCTCTCCACTGTCACCGGTGCACTCGGTGCTGAAGCACATAGCCTGCCAGT
 ATTCCACCCCTCCAACCTCTGCTGCTGCAATGAAATCTCACCTTAAAGCCTGTCCCAGCA
 TATGTAGCTCACAGTCCCATAGTCAAGTAAAGCTCCAAGTGGCAGCCAGCTCA
 TCCAGTCCCTCTCGACTTCCCTCTCCCTCTGAAGCAGCTGTGTTCTCTCCACCCATC
 ACCTGTCAGCCACACACTCACCCAGCTCTCTACCTGACAAAGTGATTCTCAGCAAAA
 GACAGT

Restriction Sites:

Please inquire

ACCN:

NM_213589

Insert Size:

6000 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:	<u>NM_213589.1, NP_998754.1</u>
RefSeq Size:	9615 bp
RefSeq ORF:	3753 bp
Locus ID:	65059
UniProt ID:	<u>Q70E73</u>
Cytogenetics:	2q33.2
Gene Summary:	This gene encodes a protein that belongs to the Mig10/Rap1-interacting adaptor molecule/Lamellipodin family of adapter proteins, which function in cell migration. Members of this family contain pleckstrin-homology domains, Ras-association domains, and proline-rich C-termini. The protein encoded by this gene regulates actin dynamics through interaction with Ena/Vasodilator proteins as well as direct binding to filamentous actin to regulate actin network assembly. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016] Transcript Variant: This variant (1) encodes the longer isoform (1).