

Product datasheet for **SC114601**

RIPOR2 (NM_015864) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIPOR2 (NM_015864) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIPOR2
Synonyms:	C6orf32; DFNB104; DIFF40; DIFF48; FAM65B; MYONAP; PL48
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_015864, the custom clone sequence may differ by one or more nucleotides

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ATGTTGGTAGGATCCCAGTCTTTTTCGCCTGGAGGGCCAATGGGATCATTAGAAGCCAGTCTTTGCGG
GTTTCAGCGGCCTCCAGGAAAGGCGATCCAGGTGTAACCTCTTCATTGAAAATTCCTCCGCTCTCAAGAA
GCCTCAGGCCAACTGAAGAAAATGCACAATTTAGGCCACAAAAACAACATCCCCCAAAGAGCCTCAG
CCTAAAAGGGTGAAGAAGTCTACAGGGCCTTGAAAAATGGACTTGATGAATATCTGGAGGTTCAACCAGA
CGGAGCTGGACAAGTTGACAGCTCAGTTAAAAGATATGAAAAGAACTCTCGCCTGGGTGTACTGTATGA
CCTAGACAAGCAAATTAACAATTGAAAGATACATGAGACGCCTGGAGTTTCATATAAGTAAGGTAGAT
GAACTCTATGAAGCTTATTGTATCCAGCGACGCCTCCAGGATGGTGCCAGCAAAATGAAGCAAGCCTTCG
CAACATCCCCTGCCAGCAAAGCTGCCGGGAGAGTCTGACAGAGATCAATCGGAGCTTCAAGGAGTACAC
AGAGAATATGTGACCATTGAAGTGGAGCTAGAGAATCTGCTGGGAGAATTCTCCATCAAGATGAAAGGT
CTGGCTGGCTTTGCACGCCTCTGTCTGGAGATCAATATGAAATTTTCATGAAGTATGGCCGGCAGCGGT
GGAAGCTGAAAGGCAAAATAGAAGTAAATGGCAAGCAGAGCTGGGATGGAGAAGAAACAGTTTTTCTGCC
CCTGATAGTTGGGTTTCATCTCCATCAAGGTACGAGGCTCAAAGGGCTAGCAACTCACATCCTGGTAGGT
AGCGTGACCTGTGAGACCAAAGAGCTGTTTGACGCCGACCTCAGGTAGTGGCTGTGCAGATCAATGACC
TTGGTACCATCAAAGTGAACCTGGAATACCTGGTATCCATTTGACGTGGAGGACATGACCGCATCCTC
AGGCGCTGGGAACAAGGCAGCAGCCCTTCAGAGGAGAATGTCCATGTACAGCCAGGATACCCCGAAACG
CCCACCTTCAAAGACCACTCCTTCTTTTCAAATCTACCTGATGACATCTTTGAAAATGGAAGGCAGCCG
AGGAGAAAATGCCACTGTGCTCAGCTTCAGTGACCTGCCAACGGGGACTGCGCCCTCACCTCCCACTC
AACAGGCTCCCTTCAAAGTCAACAAATCCAGAAATACCATCACCCCTGCGGAGTTTAACTCAGCAGC
TTGGCCTCCCAGAATGAGGGTATGGATGACACCAGCTCAGCATCTTCCAGGAAGTCCCTGGGAGAAGGCC
AAGAGCCAAAGTACACCTGAAGGAGGAAGACCCAGAGGAGCCAGAAAACCTGCCTCGGCCCATCTGA
GGCTTGCCGCGACAGTCTCAGGTGCTGGGGCTGAGCACCTGTTCTTGAGAATGATGTTGCAGAAGCA
CTTCTGCAAGAGTCTGAGGAGGCTCTGAGCTCAAGCCTGTGGAAGTGGACACTTCGGAAGGAAACATCA
CAAAGCAGCTGGTCAAGAGGCTCACATCTGAGAGGTGCCAATGGCCACAGACAGGCTGCTCTGAGGG
TTCTGTTGGTGGAGAATCTGAAGGCTGCAGATCTTTCTAGATGGAAGCTTAGAGGATGCTTTTAAATGGG
CTTTTACTTGATTAGAACCACATAAAGAGCAGTATAAAGAGTTTCAGGATCTGAACCAAGAAGTCATGA
ATTTGGATGATATTCTAAAAAGTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015864 unedited

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TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGCTGCCTGCTGCTTCT
CGCGCCTGTCTCTCCAANATGCAGTTTTTTGATGCTGAGGAGCTCCTGGTCGATGAAGA
GGATGATGTTTTTGGTGAAGGACTACCGACCAGACTCCCGGAAATCATGTTGGTAGGATC
CCAGTCTTTTTTCGCCTGGAGGGCCAATGGGATCATTAGAAGCCAGTCTTTGCGGGTTT
CAGCGGCCTCCAGGAAAGGCGATCCAGGTGTAACCTCTTCATTGAAAATTCCTCCGCTCT
CAAGAAGCCTCAGGCCAACTGAAGAAAATGCACAATTTAGGCCACAAAAACAACATCC
CCCCAAAGAGCCTCAGCCTAAAAGGGTGAAGAAGTCTACAGGGCCTTGAAAATGGACT
TGATGAATATCTGGAGGTTACACAGACGGAGCTGGACAAGTTGACAGCTCAGTTAAAGA
TATGAAAAGAACTCTCGCCTGNGTGTACTGTATGACCTAGACAAGCAAATTAACAAT
TGAAAGATACATGAGACGCCTGGAGTTTCATATAAGTAAGGTAGATGAATCTATGAAGC
TTATTGTATCCAGCGACGCCTNCAGGATGGTGCCAGCANAATGAAGCAAGCCTTCGCACA
TCCNCTGCCAGCAAGCTGCCGGGAGAGTCTGACAGAGATCAATCGGAGCTTCAAGGAGT
ACACAGAGAATATGTGCACCATTTGAAGTGGAGCTAGAGAATCTGCTGGGAGAATTCTCAT
CAGATGAAAGGTCTGGCTGCTTTGCACGCTCTGTCTGGAGATCATATGAATTTTATGAAG
TATGGCCGAGNCGTGGAAGTGAAGCAAATAAAGTAATGGCAGCAAGCTGGATGAAAA
AACANTTTCTGCCGAAAATGGNTCATTNCTCAGGTACGACTCAGGCTACACTCATCTGN
TAGGACGGACTGTAACAAAACCTTGACCACCTCGTAGGCTGNCATAGA
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Restriction Sites: NotI-NotI

ACCN:	NM_015864
Insert Size:	2560 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).
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_015864.2</u> , <u>NP_056948.2</u>
RefSeq Size:	2452 bp
RefSeq ORF:	1776 bp
Locus ID:	9750
UniProt ID:	<u>Q9Y4F9</u>
Cytogenetics:	6p22.3
Gene Summary:	This gene encodes an atypical inhibitor of the small G protein RhoA. Inhibition of RhoA activity by the encoded protein mediates myoblast fusion and polarization of T cells and neutrophils. The encoded protein is a component of hair cell stereocilia that is essential for hearing. A splice site mutation in this gene results in hearing loss in human patients. [provided by RefSeq, Sep 2016] Transcript Variant: This variant (2) has an alternate 5' UTR exon, it lacks an in-frame exon in the central coding region, and it lacks multiple 3' exons but includes an alternate 3' exon, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1.