

Product datasheet for **SC128226**

RBED1 (ELMOD3) (NM_032213) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBED1 (ELMOD3) (NM_032213) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBED1
Synonyms:	DFNB88; LST3; RBED1; RBM29
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC128226 sequence for NM_032213 edited (data generated by NextGen Sequencing)

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ATGAATGAAAAATCTTGCTCTTTCCATAGTAAAGAAGAATTAAGAGATGGACAGGGTGAA
AGATTGTCTGCTGGATATTCTCCATCATATGACAAGGACAAGAGTGTCTGGCTTTCAGA
GGAATCCCTATCTCAGAGTTGAAGAACCATGGCATTCTCCAGGCTCTGACCACAGAAGCT
TATGAATGGGAGCCACGTGTTGTGAGTACAGAGGTGGTCAGAGCCCAAGAAGAATGGGAA
GCTGTGGACACCATCCAGCCAGAGACAGGGAGCCAAGCTAGCTCAGAGCAGCCTGGGCG
CTAATCTCCTTCAGTGGGCCCTGCAGCACTTCCAGACTGTGGACCTTTCCCCCTCAAG
AAAAGAATCCAGCCAATTCGAAGGACTGGGCTCGCCGCCCTCCGACACTACCTTTC
GGGCTCCAAAGCTCCACCAGCGCCTTCGGGAAGAAAGGGACTTGGTCTGACCATTGCT
CAGTGTGGCCTGGATAGCCAAGACCCAGTGCATGGCCGAGTCTCCAGACCATCTATAAG
AAGCTGACCGGCTCCAAGTTTGACTGTGCCCTTCATGGAACCACTGGGAGGACCTGGGC
TTTCAGGGAGCGAATCCAGCCACAGACCTGAGAGGCGCAGGCTTCTTGGCCTCCTGCAT
CTGCTCTACCTGGTGATGGACTCAAAGACCTTGCCGATGGCGCAGGAGATTTCCGCCTG
TCTCGTACCACATCCAGCAATTCCTTTCTGTTTGTGTCGGTGAACATCACCCACATT
GCCATCCAGGCCTTGAGAGAGGAGTGTCTCTCCAGAGAGTGAATCGGCAGCAGAAGGTC
ATCCCCGTGGTGAACAGCTTCTATGCCGCCACATTCTCCATCTCGCACATGTCTGGAGG
ACACAGCGGAAGACCATCTCAGACTCGGGCTTTGTCCTCAAAGGTGTGCTTTTCTCTG
GGGAGGCTAGGCTGAATGCACAGTGTCCAGGTCCAGAGAGCCCAAGGTGGTTGCTAGA
CTGGTTTTGGCTGCAGTTCTTCCCATCCACACTTCTCAAATTCCAGCTTACAAAATC
TCCATCACCCACCCCTGGAGTCTGCTAGTTCTCCTTTCTGTCCTGACTGTTGCCCTT
TTCTGGTCTTATACTTATGACAAGCATATATTCTGA

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Clone variation with respect to NM_032213.4
882 c=>t;1134 c=>t



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032213 unedited NGGAGTCAGATTTGTATACGACTCATATAGGCGGACCGCAATTCGCACGAGGCCTCGTG CCGGGAAAGCTCTTTTAAACGAGCTGAGGCTTCGAAGACCTCAGAGGACTTCTCTCAGCAC TCACAGAAACCTCTACACCCTCGGATGGCACAAGGGACTGTTTTCTTACTCTTAGTCT GAGTGACTGCCAAGGAAGGCAAAGGTAGAGCAACTGGATCTCTGGCTCTCCACATAGCTT CTGATCTCAGACCTTACTAAAATGCTTTCTGGGCCAAGGACAAAGCTCACATGAACAAA TGATTTTGAGTCATGAATGAAAAATCTTGCTTTCCATAGTAAAGAAGAATTAAGAGAT GGACAGGGTGAAAGATTGTCTGCTGGATATTCTCCATCATATGACAAGGACAAGAGTGTT CTGGCTTTCAGAGGAATCCCTATCTCAGAGTTGAAGAACCATGGCATTCTCCAGGCTCTG ACCACAGAAGCTTATGAATGGGAGCCACGTGTTGTGAGTACAGAGGTGGTCAGAGCCCAA GAAGAATGGGAAGCTGTGGACACCATCCAGCCAGAGACAGGGAGCCAAGCTAGCTCAGAG CAGCCTGGGCAGCTAATCTCCTCAGTGAGGCCCTGCAGCACTTCCAGACTGTGGACCTT TCCCCCTCAAGAAAAGAATCCAGCCAACTATTGAAAGGACTGGGCTCGCCGCCCTCCGA CACTACCTCTTCGGGCCCAAGCTCCACCAGCGCCTTCGGGAAGAAAGGGACTTGGTC CTGACCATTGCTCAGTGTGGCCTGGATAGCCAAGACCCAGTGCATGGCCGAGTCTCCAG ACCATCTATAAGAAGCTGACCGGCTCCAGTTTACTGTGCCCTTCATGGNAACACTGGG GAGACCCTGGCTTTCAGGGA
Restriction Sites:	NotI-NotI
ACCN:	NM_032213
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:	<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:	NM_032213.3 , NP_115589.2
RefSeq Size:	2693 bp
RefSeq ORF:	1176 bp
Locus ID:	84173
Cytogenetics:	2p11.2
Domains:	DUF609

Gene Summary:

This gene encodes a member of the engulfment and cell motility family of GTPase-activating proteins that regulate Arf GTPase proteins. Members of this family are defined by a conserved engulfment and cell motility domain. In rat cochlea, the encoded protein is found in stereocilia, kinocilia and cuticular plate of developing hair cells suggesting a function for this protein in cochlear sensory cells. An allelic variant of this family has been associated with autosomal recessive nonsyndromic deafness-88 in humans. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]

Transcript Variant: This variant (1) represents the longest transcript and it encodes the longer protein (isoform a).