

## Product datasheet for **SC325026**

### **RBED1 (ELMOD3) (NM\_001135023) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RBED1 (ELMOD3) (NM\_001135023) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RBED1  
**Synonyms:** DFNB88; LST3; RBED1; RBM29  
**Vector:** pCMV6 series

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001135023, the custom clone sequence may differ by one or more nucleotides

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ATGAATGAAAAATCTTGCTCTTTCCATAGTAAAGAAGAATTAAGAGATGGACAGGGTGA  
AGATTGTCTGCTGGATATTCTCCATCATATGACAAGGACAAGAGTGTCTGGCTTTCAGA  
GGAATCCCTATCTCAGAGTTGAAGAACCATGGCATTCTCCAGGCTCTGACCACAGAAGCT  
TATGAATGGGAGCCACGTGTTGTGAGTACAGAGGTGGTCAGAGCCCAAGAAGAATGGAA  
GCTGTGGACACCATCCAGCCAGAGACAGGGAGCCAAGCTAGCTCAGAGCAGCCTGGGCAG  
CTAATCTCCTTCAGTGAGGCCCTGCAGCACTTCCAGACTGTGGACCTTTCCCTTCAAG  
AAAAGAATCCAGCCAATATTGAAGACTGGGCTCGCCGCCCTCCGACACTACCTTTC  
GGGCTCCAAAGCTCCACAGCGCTTCGGGAAGAAAGGACTTGGTCTGACCATTGCT  
CAGTGTGGCCTGGATAGCCAAGCCAGTGCATGGCCGAGTCTCCAGACCATCTATAAG  
AAGCTGACCGGCTCCAAGTTGACTGTGCCCTTCATGAAACCACTGGGAGGACCTGGGC  
TTTCAGGGAGCGAATCCAGCCACAGACCTGAGAGGCGCAGGCTTCTTGGCCTCTGCAT  
CTGCTCTACCTGGTGATGGACTCAAAGACCTTGCCGATGGCGCAGGAGATTTCCGCCTG  
TCTCGTACCACATCCAGCAATCCCTTCTGTTTGTGATGTCGGTGAACATCACCCACATT  
GCCATCCAGGCCCTTGAGAGAGGAGTGTCTCTCCAGAGAGTGAATCGGCAGCAGAAGGTC  
ATCCCCGTGGTGAACAGCTTCTATGCCGCCACATTCTCCACCTCGCACATGTCTGGAGG  
ACACAGCGGAAGACCATCTCAGACTCGGGCTTTGTCTCAAAGAGTTGGAAGTATTGGCC  
AAGAAGAGCCACGGCGGCTGCTCAAGACCCTGGAGCTGTAATTGGCCAGGGTGTCAAAG  
GGACAGGCCTCCTTGTGGGAGCACAGAAGTGCTATGGGCCAGAAGCCCTCCCTTCAAG  
GATCTCACCTTACAGGTGAGAGTGACCTGCAGTCTCACTCATCCGAAGGCGTATGGCTG  
ATC
```

**Restriction Sites:** Please inquire

**ACCN:** NM\_001135023

**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).



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<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001135023.1</a></u> , <u><a href="#">NP_001128495.1</a></u>
<b>RefSeq Size:</b>	2390 bp
<b>RefSeq ORF:</b>	1146 bp
<b>Locus ID:</b>	84173
<b>UniProt ID:</b>	<u><a href="#">Q96FG2</a></u>
<b>Cytogenetics:</b>	2p11.2
<b>Gene Summary:</b>	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]