

Product datasheet for **RC225582**

RBED1 (ELMOD3) (NM_001135022) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RBED1 (ELMOD3) (NM_001135022) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ELMOD3
Synonyms: DFNB88; LST3; RBED1; RBM29
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC225582 representing NM_001135022
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAATGAAAAATCTTGCTCTTTCCATAGTAAAGAAGAATTAAGAGATGGACAGGGTGAAGATTGTCTG
 CTGGATATTCTCCATCATATGACAAGGACAAGAGTGTCTGGCTTTCAGAGGAATCCCTATCTCAGAGTT
 GAAGAACCATGGCATTCTCCAGGCTCTGACCACAGAAGCTTATGAATGGGAGCCACGTGTTGTGAGTACA
 GAGGTGGTCAGAGCCCAAGAAGAATGGGAAGCTGTGGACACCATCCAGCCAGAGACAGGGAGCCAAAGCTA
 GCTCAGAGCAGCCTGGGAGCTAATCTCCTTCAGTGAGGCCCTGCAGCACTTCCAGACTGTGGACCTTTC
 CCCCTTCAAGAAAAGAATCCAGCCAATTCGAAGGACTGGGCTCGCCGCCCTCCGACACTACCTCTTC
 GGGCTCCAAAGCTCCACCAGCGCTTCGGAAGAAAAGGACTTGGTCTGACCATTTGCTCAGTGTGGCC
 TGGATAGCCAAGACCCAGTGCATGGCCGAGTCTCCAGACCATCTATAAGAAGCTGACCGGCTCCAAGTT
 TGACTGTGCCCTTCATGGAAACCACTGGGAGGACCTGGGCTTTCAGGGAGCGAATCCAGCCACAGACCTG
 AGAGGCGCAGGCTTCCTTGCCCTCCTGCATCTGCTCTACCTGGTATGGACTCAAAGACCTTGCCGATGG
 CGCAGGAGATTTCCGCCTGTCTGTCACCACATCCAGCAATCCCTTTCTGTTTGTCCGTGAACAT
 CACCCACATTGCCATCCAGGCCTTGAGAGAGGAGTGTCTCTCCAGAGAGTGAATCGGCAGCAGAAGGTC
 ATCCCCGTGGTGAACAGCTTCTATGCCACCACATTCCTCCACCTCGCACATGTCTGGAGGACACAGCGGA
 AGACCATCTCAGACTCGGGCTTTGCTCCTCAAAGAGTTGGAAGTATTGGCCAAGAAGAGCCACGCGCGCT
 GCTCAAGACCCTGGAGCTGTACTTGGCCAGGGTGTCAAAGGGACAGGCCTCCTTGTGGGAGCACAGAAG
 TGCTATGGGCCAGAAGCCCTCCCTTCAAGGATCTCACCTTCACAGGTGAGAGTGACCTGCAGTCTCACT
 CATCCGAAGCGTATGGCTGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC225582 representing NM_001135022
Red=Cloning site Green=Tags(s)

MNEKSCSFHSKEELRDGQGERLSAGYSPSYDKDKSVLAFRGIPISELKNHGILQALTTEAYEWEPVVST
 EVVRAQEWEAVDTIQPETGSQASSEPGQLISFSEALQHFQTVLSPFKKRIQPTIRRTGLAALRHYLF
 GPPKLHQRLREERDLVLTIAQCGLDSQDPVHGRVLQTIYKKTGSKFDCALHGNHWEDLGFQGANPATDL
 RGAGFLALLHLLYLVMDSKTLPMAQEIFRLSRHHIQQFPFCLMSVNITHIAIQALREECLSRECNRQQKV
 IPVVNSFYATTFLLAHVWRTQRKTISSDGFVLKELEVLAKKSPRRLKLTLELYLARVSKGQASLLGAQK
 CYGPEAPPFKDLTFTGESDLQSHSEGVWLI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

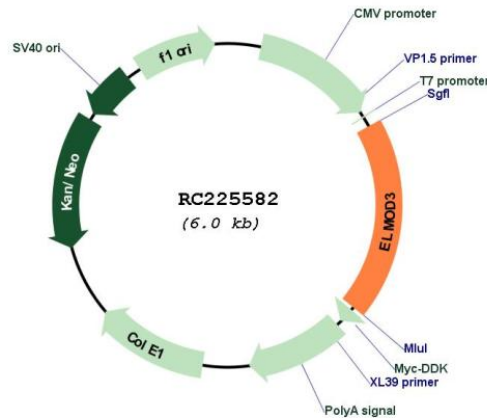
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001135022

ORF Size:	1143 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001135022.1 , NP_001128494.1
RefSeq ORF:	1146 bp
Locus ID:	84173
UniProt ID:	Q96FG2
Cytogenetics:	2p11.2
MW:	42.9 kDa
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]