

Product datasheet for **RC225583**

RBED1 (ELMOD3) (NM_001135023) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBED1 (ELMOD3) (NM_001135023) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBED1
Synonyms:	DFNB88; LST3; RBED1; RBM29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225583 representing NM_001135023 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGAAAAATCTTGCTCTTTCCATAGTAAAGAAGAATTAAGAGATGGACAGGGTGAAGATTGTCTG
CTGGATATTCTCCATCATATGACAAGGACAAGAGTGTCTGGCTTTCAGAGGAATCCCTATCTCAGAGTT
GAAGAACCATTGGCATTCTCCAGGCTCTGACCACAGAAGCTTATGAATGGGAGCCACGTGTTGTGAGTACA
GAGGTGGTCAGAGCCCAAGAAGAATGGGAAGCTGTGGACACCATCCAGCCAGAGACAGGGAGCCAAGCTA
GCTCAGAGCAGCCTGGGCAGCTAATCTCCTTCAGTGAGGCCCTGCAGCACTTCCAGACTGTGGACCTTTC
CCCCTTCAAGAAAAGAATCCAGCCAATTCGAAGGACTGGGCTCGCCGCCCTCCGACACTACCTCTTC
GGGCTCCAAAGCTCCACCAGCGCTTCGGGAAGAAAGGACTTGGTCTTGACCATTTGCTCAGTGTGGCC
TGGATAGCCAAGACCCAGTGCATGGCCGAGTCTCCAGACCATCTATAAGAAGCTGACCGGCTCCAAGTT
TGACTGTGCCCTTCATGGAAACCACTGGGAGGACCTGGGCTTTCAGGGAGCGAATCCAGCCACAGACCTG
AGAGGCGCAGGCTTCTTGCCCTCCTGCATCTGCTCTACCTGGTATGGACTCAAAGACCTTGCCGATGG
CGCAGGAGATTTCCGCCTGTCTCGTACCACATCCAGCAATTCCTTTCTGTTTGATGTCCGTGAACAT
CACCCACATTGCCATCCAGGCCTTGAGAGAGGAGTGTCTCTCCAGAGAGTGAATCGGCAGCAGAAGGTC
ATCCCCGTGGTGAACAGTCTTATGCCACCACATTCCTCCACCTCGCACATGTCTGGAGGACACAGCGGA
AGACCATCTCAGACTCGGGCTTTGTCTCAAAGAGTTGGAAGTATTGGCCAAGAAGAGCCACGGCGGCT
GCTCAAGACCCTGGAGCTGTACTTGCCAGGGTGTCAAAGGGACAGGCCTCCTTGTGGGAGCACAGAAG
TGCTATGGGCCAGAAGCCCTCCCTTCAAGGATCTCACCTTCACAGGTGAGAGTGACCTGCAGTCTCACT
CATCCGAAGCGTATGGCTGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC225583 representing NM_001135023
 Red=Cloning site Green=Tags(s)

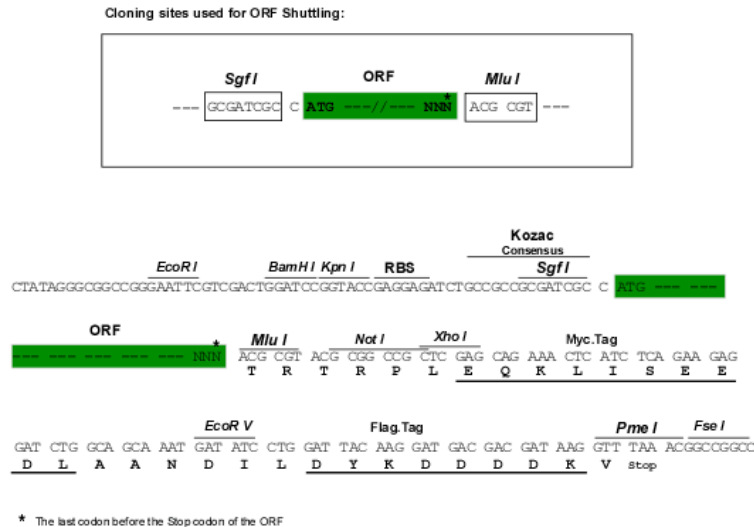
MNEKSCSFHSKEELRDGQGERLSAGYSPSYDKDKSVLAFRGIPISELKNHGILQALTTEAYEWEPVVST
 EVVRAQEWEAVDTIQPETGSQASSEQPGLISFSEALQHFQTVDLSPFKKRIQPTIRRTGLAALRHYLF
 GPPKLHQRLREERDLVLTIAQCGLDSQDPVHGRVLQTIYKKLTGSKFDCALHGNHWEDLGFQGANPATDL
 RGAGFLALLHLLYLVMDSKTLMAQEIFRLSRHHIQQFPFCLMSVNITHIAIQALREECLSRQNRQKQV
 IPVVNSFYATTFLHLAHVWRTQRKTIISDSGFVLKEVLAKKSPRRLKLTLELYLARVSKGQASLLGAQK
 CYGPEAPPFKDLTFTGESDLQSHSSEGVWLI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001135023

ORF Size: 1143 bp

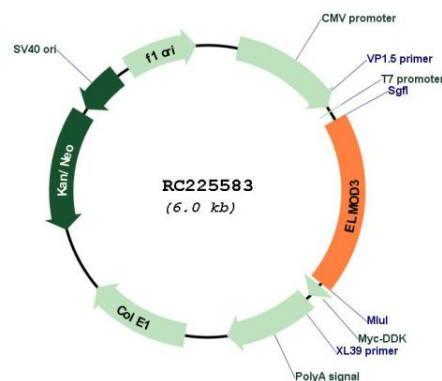
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001135023.1, NP_001128495.1</u>
RefSeq ORF:	1146 bp
Locus ID:	84173
UniProt ID:	<u>Q96FG2</u>
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]

Product images:



Circular map for RC225583