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Product datasheet for RG225582

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:	TurboGFP
Symbol:	ELMOD3
Synonyms:	DFNB88; LST3; RBED1; RBM29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG225582 representing NM_001135022
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATGAAAAATCTTGCTCTTTCCATAGTAAAGAAGAATTAAGAGATGGACAGGGTGAAAGATTGTCTG
CTGGATATTCTCCATCATATGACAAGGACAAGAGTGTTCTGGCTTTCAGAGGAATCCCTATCTCAGAGTT
GAAGAACCATGGCATTCTCCAGGCTCTGACCACAGAAGCTTATGAATGGGAGCCACGTGTTGTGAGTACA
GAGGTGGTCAGAGCCCAAGAAGAATGGGAAGCTGTGGACACCATCCAGCCAGAGACAGGGAGCCAAGCTA
GCTCAGAGCAGCCTGGGCAGCTAATCTCCTTCAGTGAGGCCCTGCAGCACTTCCAGACTGTGGACCTTTC
CCCCTTCAAGAAAAGAATCCAGCCAACTATTCGAAGGACTGGGCTCGCCGCCCTCCGACACTACCTCTTC
GGGCCTCCAAAGCTCCACCAGCGCCTTCGGGAAGAAAGGGACTTGGTCCTGACCATTGCTCAGTGTGGCC
TGGATAGCCAAGACCCAGTGCATGGCCGAGTCCTCCAGACCATCTATAAGAAGCTGACCGGCTCCAAGTT
TGACTGTGCCCTTCATGGAAACCACTGGGAGGACCTGGGCTTTCAGGGAGCGAATCCAGCCACAGACCTG
AGAGGCGCAGGCTTCCTTGCCCTCCTGCATCTGCTCTACCTGGTGATGGACTCAAAGACCTTGCCGATGG
CGCAGGAGATTTTCCGCCTGTCTCGTCACCACATCCAGCAATTCCCTTTCTGTTTGATGTCCGTGAACAT
CACCCACATTGCCATCCAGGCCTTGAGAGAGGAGTGTCTCTCCAGAGAGTGTAATCGGCAGCAGAAGGTC
ATCCCCGTGGTGAACAGCTTCTATGCCGCCACATTCCTCCACCTCGCACATGTCTGGAGGACACAGCGGA
AGACCATCTCAGACTCGGGCTTTGTCCTCAAAGAGTTGGAAGTATTGGCCAAGAAGAGCCCACGGCGGCT
GCTCAAGACCCTGGAGCTGTACTTGGCCAGGGTGTCAAAGGGACAGGCCTCCTTGTTGGGAGCACAGAAG
TGCTATGGGCCAGAAGCCCCTCCCTTCAAGGATCTCACCTTCACAGGTGAGAGTGACCTGCAGTCTCACT
CATCCGAAGGCGTATGGCTGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

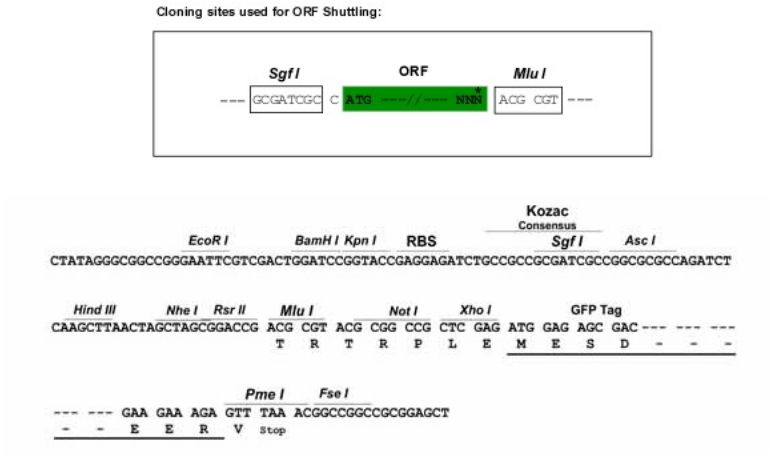
>RG225582 representing NM_001135022
Red=Cloning site Green=Tags(s)

MNEKSCSFHSKEELRDGQGERLSAGYSPSYDKDKSVLAFRGIPISELKNHGILQALTTEAYEWEPRVVST
EVVRAQEEWEAVDTIQPETGSQASSEQPGQLISFSEALQHFQTVDLSPFKKRIQPTIRRTGLAALRHYLF
GPPKLHQRLREERDLVLTIAQCGLDSQDPVHGRVLQTIYKKLTGSKFDCALHGNHWEDLGFQGANPATDL
RGAGFLALLHLLYLVMDSKTLPMAQEIFRLSRHHIQQFPFCLMSVNITHIAIQALREECLSRECNRQQKV
IPVVNSFYAATFLHLAHVWRTQRKTISDSGFVLKELEVLAKKSPRRLLKTLELYLARVSKGQASLLGAQK
CYGPEAPPFKDLTFTGESDLQSHSSEGVWLI

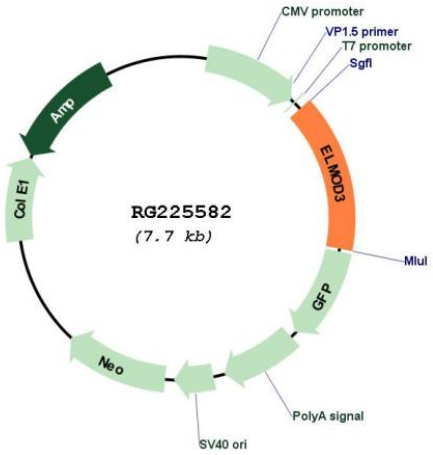
TRTRPLE – GFP Tag – V

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:	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_001135022.2
RefSeq Size:	2434 bp
RefSeq ORF:	1146 bp
Locus ID:	84173
UniProt ID:	Q96FG2
Cytogenetics:	2p11.2
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]