

Product datasheet for **MG217948**

Rhbdf2 (NM_172572) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Rhbdf2 (NM_172572) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Rhbdf2 |
| Synonyms: | 4732465I17Rik; cub; Rhbdl6 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG217948 representing NM_172572
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCAGCTGACAAGAATGGCAGCAACCTCCCATCTGTGTCTGGTAGCCGCTCGAGAGCCGGAAGC
 CACCCAACCTCTCCATCACCATCCCGCCACCAGAGAGCCAGGCCCCCGGCGAGCAGGATAGCATGCTTCC
 TGAGAGGCGCAAGAACCAGCCTACCTGAAGAGTGTACAGCCTACAGGAGCCCGGGGACGATGGCAGGAG
 GGCGCAGAGAAGCGCCCGGCTTCCGCCCCAGGCCTCCCTGTCCAGAGCATCCGCAAGAGCACAGCCC
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 TGAGAAGTACGAGCTAGACCAGGTGCTACAC

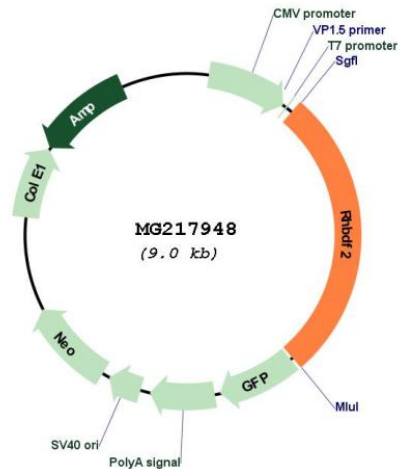
ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217948 representing NM_172572
 Red=Cloning site Green=Tags(s)

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MASADKNGSNLPSVSGSRLQSRKPPNLSITIPPPESQAPGEQDSMLPERRKNPAYLKSVSLSQEPRGRWQE
GAEKRPGFRRQASLSQSIRKSTAQWFGVSGDWEGRQNWHRSLHHC SVHYGRLKASCQRELELPSQEV
SFQGTESPKPCKMPKIVDPLARGRAFRHPDEVDRPHAAHPPLTPGVLSLTSFTSVRSGYSHLPRRKRISV
AHMSFQAAAAALLKGRSVLDATGQRCRHVKRSFAYPSFLEEDAVDGADTFDSSFFSKEEMSSMPDDVFESP
PLSASYFRGVPHSASPVPDGVHIPLKEYSGGRALGPGTQRGKRIASKVKHFAFDRKKRHYGLGVVGNWL
NRSYRRSISSTVQRQLESFDSHRPYFTYWLTFVHIITLLVICTYGIAPVGFAQHVTTLVLKNRGVYES
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CLFVELFQSWQLLERPWKAFFNLSAIVLFLFICGLLPWIDNIAHIFGFLSGMLLAFALPYITFGTSDKY
RKRALILVSLLVFAGLFASLVLWLYIYPINWPWIEYLTCFPFTRFCEKYELDQVLH
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_172572

ORF Size: 2481 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_172572.4](#)

RefSeq Size: 3927 bp

RefSeq ORF: 2484 bp

Locus ID: 217344

UniProt ID: [Q80WQ6](#)

Cytogenetics: 11 E2

Gene Summary: Regulates ADAM17 protease, a sheddase of the epidermal growth factor (EGF) receptor ligands and TNF, thereby plays a role in sleep, cell survival, proliferation, migration and inflammation. Does not exhibit any protease activity on its own.[UniProtKB/Swiss-Prot Function]