

Product datasheet for **RG203923**

RHBDF2 (NM_024599) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHBDF2 (NM_024599) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RHBDF2
Synonyms:	iRhom2; RHBDL5; RHBDL6; TEC; TOC; TOCG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG203923 representing NM_024599
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCTGCTGACAAGAATGGCGGGAGCGTGTCTCTGTGTCCAGCAGCCGCCTCGAGAGCCGGAAGC
 CACCCAACCTCTCCATCACCATCCCGCCACCCGAGAAAGAGACCCAGGCCCTGGCGAGCAGGACAGCAT
 GCTGCCTGAGGGTTTTTCAGAATAGGAGGCTAAAGAAAAGCCAGCCAGGACCTGGGCTTACACACCACC
 GCCTGCCCTCCCTCCTTCTCCCAAGAGGAAGAACCAGCCTACTTGAAGAGCGTCAGCCTCCAGGAGC
 CACGCAGCCGATGGCAGGAGAGTTTACAGAGAAGCGCCCTGGCTTCCGCCGCCAGGCCTCACTGTCCCAGAG
 CATCCGCAAGGGCGCAGCCAGTGGTTTGGAGTCAGCGGCGACTGGGAGGGGCAGCGGCAGCAGTGGCAG
 CGCCGCAGCCTGCACCACTGCAGCATGCCTACGGCCGCCTGAAGGCCTCGTGCCAGCGTGAACCTGGAGC
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 CCGCTGACCCCCGGAGTCTGTCCCTCACTCCTTCAACAGTGTCCGTTCTGGTACTCCCACCTGCCAC
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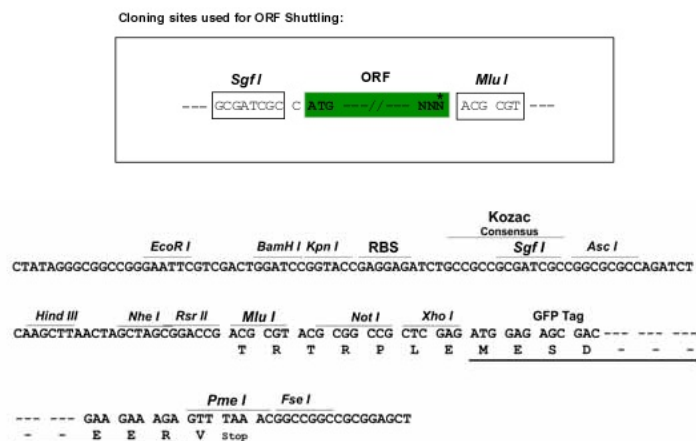
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG203923 representing NM_024599
Red=Cloning site Green=Tags(s)

MASADKNGGVS SVSSRLQSRKPPNLSITIPPPEKETQAPGEQDSMLPEGFQNRRLKKSQPRTWASHTT
ACPPSFLPKRKNPAYLKS VSLQEPRSRWQESSEKRPGRFRRQASLSQSIRKGAAQWFGVSGDWEGQRQQWQ
RRSLHHCSMRYGRLKASCQRDLELPSQEAPSFQGTESPKPCKMPKIVDPLARGRAFRHPEEMDRPHALHP
PLTPGVLSLTSFTSVRSYGSHLPRRKRMSVAHMSLQAAAALLKGRSVLDATGQRCRVVKRSFAFPSFLEE
DVVDGADTFDSSFFSKEEMSSMPDDVFESPPLSASYFRGIPHSASPVSPDGVQIPLKEYGRAPVGPVRRG
KRIASKVKHFAFDRKKRHYGLGVVGNWLNRSYRRSISSTVQRQLESFDSHRPYFTYWLTFVHVIIITLLVI
CTYGIAPVGFQAQHVTTQLVLRNKG VYESVKYIQQENFWVGPSSIDL IHLGAKFSPCIRKDGQIEQLVLR
RDLERDSGCCVQNDHSGCIQTQRKDCSETLATFVKWQDDTGPPMDKSDLGQKRTSGAVCHQDPRTCPEPA
SSGAHIWPDITKWPICTEQARSNHTGFLHMDCEIKGRPCCIGTKGSCEITTREYCEFMHGYFHEEATLC
SQVHCLDKVCGLLPFLNPEVPDQFYRLWLSLFLHAGVVHCLVSVVFQMTILRDLEKLAGWHRIAIIIFILS
GITGNLASAIFL PYRAE VGPAGSQFGLLA CLFVELFQSWPLLERPWKAFNLNSAIVLFLFICGLLPWIDN
IAHIFGFLSGLLLAF AFLPYITFGTSDKYRKRALILVSL LAFAGLFAALVLWLYIYPINWPWIEHLTCFP
FTSRFCEKYELDQVLH

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_024599

ORF Size: 2568 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_024599.2](#), [NP_078875.2](#)

RefSeq Size: 3596 bp

RefSeq ORF: 2571 bp

Locus ID: 79651

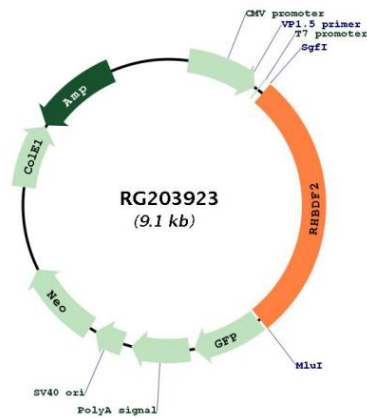
UniProt ID: [Q6PIF5](#)

Cytogenetics: 17q25.1

Protein Families: Protease, Transmembrane

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]

Product images:



Circular map for RG203923