

Product datasheet for **RG211756**

C2orf89 (TRABD2A) (NM_001080824) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C2orf89
Synonyms:	C2orf89; TIKI1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG211756 representing NM_001080824
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGTCCCTGGAGCTGGTTCTGCTGCAGACCCTCTGCCTCTGCCACGGGCGCAGCTTCGGGCGCG
 GGGCGCCCGCACCGCCAACCTGCGAGCTCAAGCCCCAACAAAGCGAGCTGAATTCCTTCTTGACCAT
 TAAGCGAGACCCACCATCTTACTTCTTTGGCACAATCCATGTCCCGTACACCCGAGTTTGGGACTTCATC
 CCCGACAACCTAAGGAGGCTTCTGTCAGAGCAGCATTGTGTACTTTGAGTTGGATCTCACAGACCCCT
 ATACCATCTCAGCTCTCACCAGCTGTCAGATGCTGCCACAGGGCGAGAACCTCCAAGATGTGCTCCCCAG
 GGACATCTACTGCCGCTCAAGCGCCACCTGGAGTATGTCAAGCTCATGATGCCCTTGTGGATGACCCCA
 GACCAGCGCGCAAGGGGCTCTACGCACTACCTCTCAATGCTATTGCCGAACTGGGAGCGCAAGA
 GGCCTGTCTGGGTGATGCTCATGGTCAACTCCCTGACTGAAGTGGACATTAAGTCCCGTGGAGTGCCTGT
 CTTAGACCTGTTCTTGGCCAGGAGCTGAGCGGCTGAGGAAACAGACTGGGCGAGTGGAAAGGTGGAA
 GAGCAGTGCCATCCATTGAATGGGTTGAACCTTTTACAGGTTCCCAATTTTATTAATGCCACGCTACCAC
 CTCAGGAGCGCATCACTGCTCAGGAGATTGACAGCTACTTACGCCGGGAGCTGATCTACAAGCGGAATGA
 GAGAATAGGGAAGCGGGTGAAGGCCCTTTTGGAGGAGTTCCCTGACAAAGGCTCTTCTTTGCCTTTGGA
 GCTGGTCATTTATGGGCAACAACAGTGTGGATGTTTTGCGGCGTGAAGGCTATGAGGTAGAACACG
 CCCCTGCTGGACGACCATCCACAAAGGAAGAGTAAAAAGACCTCCACACGGGCCACTCTGTCCACCAT
 CTTTGTCCAAAAGTCCCTACCTGGAAGTACCGCACCAAGAGCGTATCCTCAGGGCACTCAACGCTG
 CCTCCCTTGTGTCCCGCCTGGAAGTCCGACACGCCAGTGAAGCGCAACAGAGGTTCCGGAAGAAGC
 GGAGGCGGTACAGCGGAGGCCGCACTCCGCAATTCAGCGATCTGTGGTCCGCTGGAGGAGAGTGA
 CATAGTCCCGCAACTCCAGGTCCCTGTCTGGACAGGCACATCTCACTGAACTGCGGCTCCCTCGCCGT
 GGGCATTCCCAACAGCCAGATGGTGGCCAGCAGTGCCTGTCTCTGGACTCCTGTGTTCTGGG
 TGCTGGTGTGGCTTTCCAAACAGAGACACCCCTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211756 representing NM_001080824
 Red=Cloning site Green=Tags(s)

MSPWSWFLQLCLLPTGAASRRGAPGTANCELKPQSELSFLWTIKRDPPSYFFGTIHVPYTRVWDFI
 PDNSKEAFLQSSIVYFELDLTPYTISALTSCQMLPQGENLQDVLPRDIYCRKHRLEYVKLMPLWMTP
 DQRGKGLYADYLFNAIAGNWERKRPVWMLMVNSLTEVDIKSRGVPVLDLFLAQEAERLRKQTGAVEKVE
 EQCHPLNGLNFSQVPNFINATLPPQERITAQEIIDSYLRRLEIYKRNERIGKRVKALLEEFPDKGFFFAFG
 AGHFMGNNTVLDVLRREGYEVEHAPAGRPVHKGSKKTSTRPTLSTIFAPKVPTLEVPAPAVSSGHSTL
 PPLVSRPGSADTPSEAEQRFRRKRRRSQRRPRLRQFSDLWVRLEESDIVQLQVPVLDRIHISTELRLPRR
 GHSHSQMVASSACLSLWTPVFWVLVLAFTETPLL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001080824

ORF Size: 1368 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: [NM_001080824.3](#)

RefSeq Size: 1733 bp

RefSeq ORF: 1371 bp

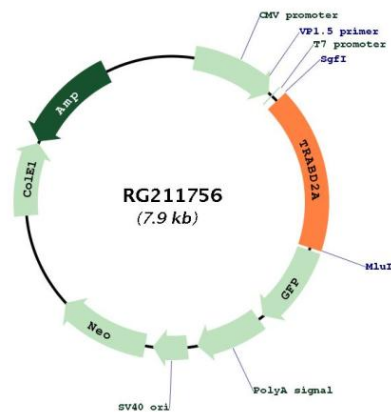
Locus ID: 129293

UniProt ID: [Q86V40](#)

Cytogenetics: 2p11.2

Gene Summary: Metalloprotease that acts as a negative regulator of the Wnt signaling pathway by mediating the cleavage of the 8 N-terminal residues of a subset of Wnt proteins. Following cleavage, Wnt proteins become oxidized and form large disulfide-bond oligomers, leading to their inactivation. Able to cleave WNT3A, WNT5, but not WNT11. Required for head formation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG211756