

Product datasheet for **RG205957**

RHOXF2 (NM_032498) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHOXF2 (NM_032498) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RHOXF2
Synonyms:	CT107; PEPP-2; PEPP2; THG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205957 representing NM_032498 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCTCCGGACCAAGTGTAGCCAGTATATGACCAGCTTGCTCAGCCCTGCAGTCGACGACGAGAAAG
 AACTACAGGATATGAATGCTATGGTGTGTCGCTTACTGAAGAGGTCAAAGAGGAGGAAGAGGATGCACA
 GCCTGAGCCTGAGCAAGGCACAGCAGCAGGAGAAAAAGTTAAAGTCGGCAGGAGCCCAAGGCGGAGAAGAA
 AAAGATGGCGGCGGAGAAGAAAAAGATGGCGGCGCGCCGGAGTTCCTGGCCACCTATGGGAAGGAGACC
 TCGAGGGCACCAGCGGCAGCGATGGCAACGTTGAGGACAGCGACCAGAGCGAGAAGAACCTGGGCAGCA
 GTATTCGCGCCACAGGGCGCCGTCGGGGGGCTGGAGCCTGGCAACGCGCAGCAGCCCAACGTCCACGCC
 TTCACCCCATTCAGCTGCAGGAGCTGGAGCGCATTTTCCAACGCGAGCAGTTCCCCAGTGAGTTCTGTC
 GAAGGAGGCTGGCAAGAAGCATGAATGTGACTGAACTCGCAGTGCAGATTTGGTTTGAGAATAGAAGAGC
 CAAATGGAGGAGACATCAGAGGGCATTAAATGGCAAGAAACATGCTGCCCTTCATGGCAGTGGGCCAGCCT
 GTCATGGTAACCGCAGCTGAGGCCATAACGGCACCCCTTGTTTCATCAGCGGGATGAGAGATGATTACTTCT
 GGGACCACAGCCATTCCAGCAGCCTGTGTTTCCCATGCCACCCCTTCTCCTCCGTCCTTGCCCTTCC
 ACTCATGCTTCTTCCACCTATGCCACCCGCTGGCCAGGCTGAATTTGGCCATTCCCTTTTGTTATCGTG
 CTTCTTTACATTCCCAATGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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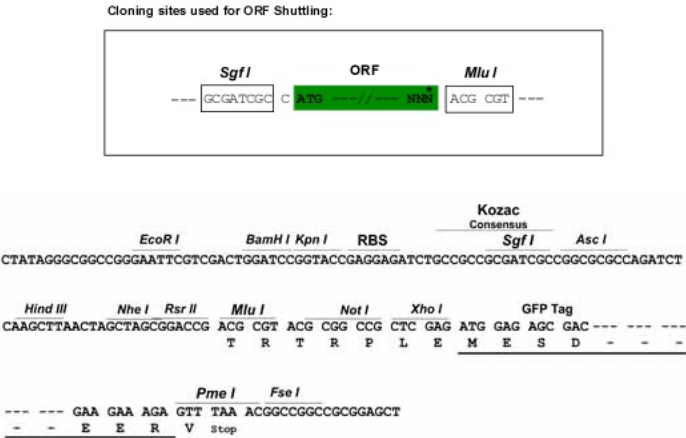
Protein Sequence: >RG205957 representing NM_032498
Red=Cloning site Green=Tags(s)

MEPPDQCSQYMTSLLSPAVDDEKELQDMNAMVLSLTEEVKEEEEDAQPEPEQGTAAAGEKLKSAGAQQGEE
 KDGGGEEKDGGGAGVPGHLWEGDLEGTSGSDGNVEDSDQSEKEPGQYSRPOGAVGGLEPGNAQQPNVHA
 FTPLQLQELERIFQREQFPSEFLRRRLARSMNVTELAVQIWFENRRAKWRRHQRALMARNMLPFMAVGQP
 VMVTAAEAITAPLFI SGM RDDYFDHSHSSSLCFMPMPFPPPSLPLPLMLLPPMPAGQAEFGPFPFVIV
 PSFTFPNV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032498

ORF Size: 864 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_032498.3](#)

RefSeq Size: 1297 bp

RefSeq ORF: 867 bp

Locus ID: 84528

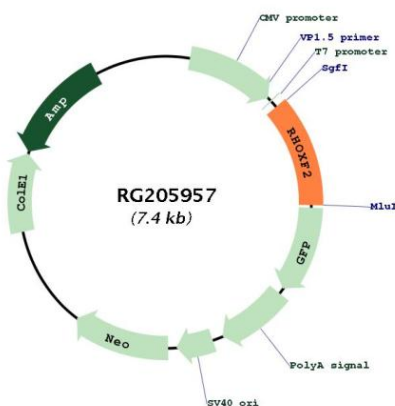
UniProt ID: [Q9BQY4](#)

Cytogenetics: Xq24

Protein Families: Transcription Factors

Gene Summary: This gene, which encodes a transcriptional repressor, is one of two paralogous X-linked homeobox-containing genes and is highly expressed in a variety of cancers. In addition, the encoded protein associates with the cell membrane and with microtubules, and is concentrated at the leading edge of migratory cells. [provided by RefSeq, Dec 2015]

Product images:



Circular map for RG205957