

Product datasheet for **MC215142**

Rhox3g (NM_001145406) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rhox3g (NM_001145406) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rhox3g
Synonyms: Rhox3; Rhox3.7; Rhox3f; Rhox3g-ps
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC215142 representing NM_001145406
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGCACCCAAGGTACCAAGGTTTTGCCGGCTGAAGAGGGAAGAAATGAGGAAGATGGAGGACAGG
TGGAGTCGGCATTGGGAGCCACAGCCGCAAGGGGTAGAGGAAAAGAAGCATTAAATGGAGAGAGTCCCGC
CGCTGCTGGCACTGCAGGCCTTGTAGAGGAAGACAGGAACAAGGAAGATGGTGGACCAAGGGAGGTGAG
AAGAATGAGCAGGAAGTGAGGGAGCAGATTCTGAGCATGTTGAAGGAGAGAGTGACCAGGCTGAAGCGC
CAAGGCAGGTGCCACGACGTCGATTGCACCATAGATTCACCCAGTGGCAGCTGGACGAATGGAGAGAAT
TTTCCGGATGAATTATTTCTCAGTCTAGAAGCAAGAAAACAACCTGGCCCGATGGATGGGTGTGAATGAA
GCCATAGTGAAGAGATGGTTTCAGAAGAGGAGAGAACAATACAGGTGGTATAAGAGGCT**ATAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001145406
Insert Size: 483 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<ol style="list-style-type: none">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:	<u>NM_001145406.3, NP_001138878.1</u>
RefSeq Size:	590 bp
RefSeq ORF:	483 bp
Locus ID:	546294
Cytogenetics:	X A3.3
Gene Summary:	This gene is a member of the reproductive homeobox X-linked family (Rhox), which forms part of the superfamily of Homeobox transcription factors. Rhox family members are thought to contribute to early embryo development as well as female and male gametogenesis because they are expressed during embryogenesis and in reproductive tissues. In the mouse, this family expanded to form gene clusters categorized into alpha, beta and gamma, depending on chromosomal locations. Rhox3 paralogs are in the alpha cluster and are reported to be more highly expressed in testes compared to ovaries. This protein is missing a portion of the N-terminus compared to other Rhox3 paralogs, so its functional capacity is unclear. [provided by RefSeq, Dec 2012]