

Product datasheet for **MG211376**

Wiz (NM_212438) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wiz (NM_212438) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wiz
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211376 representing NM_212438
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGAAGTGGCATTCTGATGGGCAGCCCCATCCTGGCCTCAGCGAAGCCCTCCCCGTGCCACCTC
 CGCCACCCATCGGATCAGCAGCTGTGGCTAACTTCGACCCGGGCACCTTTAGCCTGATGCGATGTGACTT
 CTGTGGGGCTGGTTTTGATACTCGGGCTGGCCTCTCCAGTCATGCCCGGGCCACCTTCGTGACTTTGGC
 ATCACCAACTGGGAACCTACCATCTCACCATCAACATCCTGCAAGAGCTGCTGGCCACCTCAGCAGCGG
 AGTTGCCCAAGTCCCCTGGGCCGGGAGCCAGGGGGCCACCCAGAAGCTTCTGACTTCAAGACGGCC
 ACGTTACCTCTACCATGCCCTTCCCGCTACCTGGGCTGAGGACCCTGGGCAATCTACGGAGATGGC
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 GAGACACGAAAGGGCCTGTCCAGCCACGCAGTTCACATCTGCGGCAGCTTGGGGTGCAGAGTCAGAAA
 GCAGTGGTGTCCCATCGACCTCCTCTACGAGCTGGTGAAGCAGAAGGGCCTGCCTGATGCTCCCTTGG
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 CAGCCAAGGGCCTGACCCACCCATCCAGCTCTCCACTCCTCAATAAGGCCCACTGACTCTGGCAGGATC
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 GCACAAATGGCCCCAGTCTGAGGATGAGGGGCCCTGAATCTCACTTCAGGCCAGAGCCAACAAGAGATA
 TCCGCTGTGAGTTCTGTGGTGTGTTCTTTGAGAACAGAAAGGGCTGTCTAGCCATGCACGCTCCCACT
 CGCCAGATGGGTGTAACCTGAGTGGTATGTGAACGGCTCACCCATCGACACACTTCGGGAGATCCTGAAG
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 GCCCGAAGATGTTCTCAGGCCTTGCTACACCCTCCCTGCCAAGAACTGAAGCCTGAACATGAGAG
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 CCCACAGCAGCTCCTGGGGCTCTGCATTCCCACTGCCTCTGTCAACCCTGGCTAGCCGGCCAGGAAAAC
 CAGGAGCTGGGCCGACCAAGTTCCTGGGAGCTCAGCCTGTCACCCATCACAGGGTCCAAGCCCTCAGC
 TGCCAGCTACCTGGGCCAGTGGCAACCAAGCGGCCCTCCAGGAGGACCCTTCTCCACGAGAGGTC
 AAGGCCAAGACCTACATCCAGACTGAACTGCCCTTCAAGGCAAAGACTCTCCATGAGAAGACCTCCCACT
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 CAAAGAAGTTTCGACGCTGGCCATGGCCGTGACAGTGACAAGCGGCCACCCCTGGGGTGGCACCTGG
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 TGGAAATCCAGGGCCACTCTCTATCCAGGAAGAGTGGGTACGGCATTACAGCGGCACATCCTGGAGAT
 GAACTTCTCAAAGCAGACCTCCGCCTGAGGAGCCCCAGGCCCGCAGGCACAGACAGCAGCTGTAGAG
 GCACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211376 representing NM_212438
 Red=Cloning site Green=Tags(s)

MAEVAFLMGSPILASAKPSPVPPPPPIGSAAVANFDPGTFSLMRCDFCGAGFDTRAGLSSHARHLRDFG
 ITNWELTISPINILQELLATSAELPPSPLGREPGGPPRSFLTSTRPRLPLTMPFPPTWAEDPGPIYGDG
 LCSEENTMVAMDLSPLLPKKSPLVSGTLEQVASRLSSKVAEEVPHGSKQELPDLKAQSLTTCEVCGACF
 ETRKGLSSHARHLRQLGVAESESAGAPIDLLYELVKQKGLPDAPLGLTPSLTKKSNPKEFLAGAARPG
 LLTLAKPMDAPAVNKAIKSPPGFSAKGLTHPSSPLLNKAPLTLAGSPTPKNPEDKSPQLSLSPRPTSPK
 AQWPQSEDEGPLNLTSGPEPTRDIRCEFCGEFFENRKGLSSHARHLRQMGVTEWYVNGSPIDTLREILK
 RRTQSRPGGHLHPPGSPKALAKVLSTGGPGSSLEARSPDLHISPLTKKLPPPGSPLGHSPTASPPPT
 ARKMFSGLATPSLPKCLKPEHMRVEIKREMLPGTLHGEPHPSEGPGWTPREDMAPLNL SARAEPVRDIRC
 EFCGEFFENRKGLSSHARHLRQMGVTEWSVNGSPIDTLREILKSKLCLKKEPPAGDLAPALTEDGS
 PTAAPGALHSPLPLSPLASRPGKPGAGPTQVPRELSLSPITGSKPSAASYLGPVATKRPLQEDRFLPAEV
 KAKTYIQTEL PFKAKTLHEKTSHSSTEACCELGLYFENRKALASHARHLRQFGVTEWCVNGSPIETLS
 EWIKHRPQKVGAYRSYIQGGRPF TTKFRSAGHGRSDSKRPLGLAPGGLSLVGRSAGGEPGLEAGRAADS
 GERPLATSPPGTVKSEEHQRQNI NKFERQARPSDASAARGGEEVNDLQQKLEEVQP PPRVRPVS LVP
 RPPQTSLVK FVGN IYTLKCRFCEVEFQGPLSIQE EWV RHLQRHILEMNF SKADPPPEEPQAPQAQTA AVE
 AP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

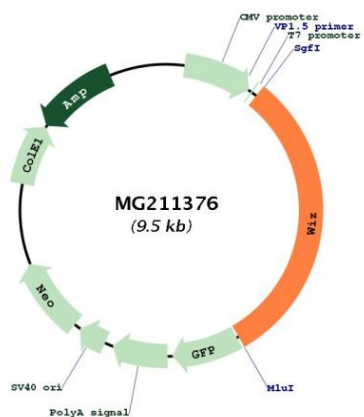


ACCN: NM_212438

ORF Size: 2943 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:	<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:	NM_212438.1 , NP_997603.1
RefSeq Size:	4312 bp
RefSeq ORF:	2871 bp
Locus ID:	22404
UniProt ID:	O88286
Cytogenetics:	17 B1
Gene Summary:	May link EHMT1 and EHMT2 histone methyltransferases to the CTBP corepressor machinery. May be involved in EHMT1-EHMT2 heterodimer formation and stabilization. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211376