OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR210960

Xab2 (NM_026156) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xab2 (NM_026156) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Xab2
Synonyms:	0610041O14Rik; AV025587
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>MR210960 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGGTGATGGCGCGAGTTCCGCGTTCCGAGCGGCCGGACCTTGTTTTTGAGGAAGAGGACCTTCCCT
ATGAGGAAGAAATCATGAGGAACCAGTTCTCCGTCAAATGCTGGCTCCGCTACATCGAGTTCAAACAGGG
GGCCCCCAAGCCCCGACTCAACCAGTTGTATGAGCGGGCACTCAAACTGCTTCCCTGCAGCTACAAACTC
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CCCATCACACAACACTCTCGCATCTGGCCCCTGTATCTACGTTTCCTGCGCTCCCACCCACTGCCTGAGA
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AGGTACAGTCTCTCAATGTGGATGCCATAATCCGTGGTGGGCTCACCCGTTTCACTGACCAGCTGGGCAA
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CTGACCAAATTCATCTCGCGCTATGGGGGCCGAAAGCTGGAGCGTGCACGGGATCTCTTTGAGCAGGCAC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210960 protein sequence
Red=Cloning site Green=Tags(s)

MVVMARVPRSERPDLVFEEEDLPYEEEIMRNQFSVKCWLRYIEFKQGAPKPRLNQLYERALKLLPCSYKL
WYRYLKARRAQVKHRCVTDPAYEDVNNCHERAFVFMHKMPRLWLDYCQFLMDQGRVTHTRRTFDRALRAL
PITQHSRIWPLYLRFLRSHPLPETAVRGYRRFLKLSPESAEEYIEYLKSSDRLDEAAQRLATVVNDERFV
SKAGKSNYQLWHELCDLISQNPDKVQSLNVDAIIRGGLTRFTDQLGKLWCSLADYYIRSGHFEKARDVYE
EAIRTVMTVRDFTQVFDSYAQFEESMIAAKMETASELGREEEDDVDLELRLARFEQLISRRPLLLNSVLL
RQNPHHVHEWHKRVALHQGRPREIINTYTEAVQTVDPFKATGKPHTLWVAFAKFYEDNGQLDDARVILEK
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ADLEESLGTFQSTKAVYDRILDLRIATPQIVINYAMFLEEHKYFEESFKAYERGISLFKWPNVSDIWSTY
LTKFISRYGGRKLERARDLFEQALDGCPPKYAKTLYLLYAQLEEEWGLARHAMAVYDRATRAVEPAQQYD
MFNIYIKRAAEIYGVTHTRGIYQKAIEVLSDEHAREMCLRFADMECKLGEIDRTRAIYSFCSQICDPRTT
GAFWQTWKDFEVRHGNEDTIREMLRIRRSVQATYNTQVNFMASQMLKVSGSATGTVSDLAPGQSGMDDMK
LLEQRAEQLAAEAERDQPPRAQSKIFFVRSDASREELAELAQQANPEEIQLGEDEDEDEMDLEPNEVRLE
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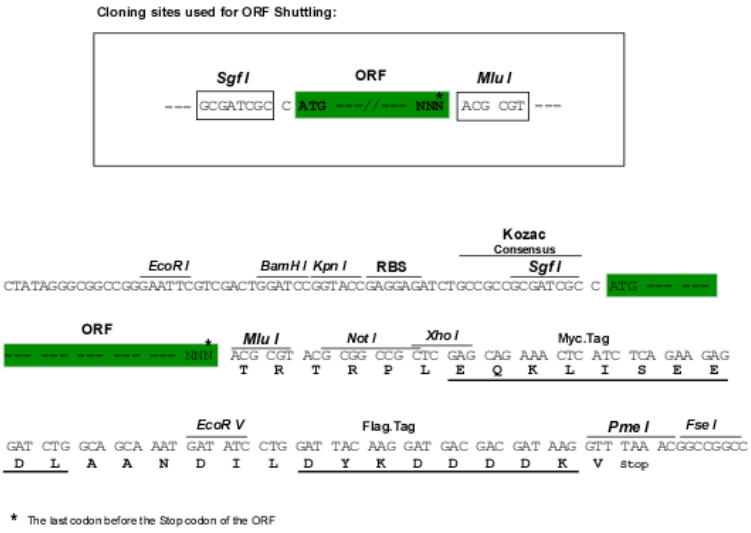
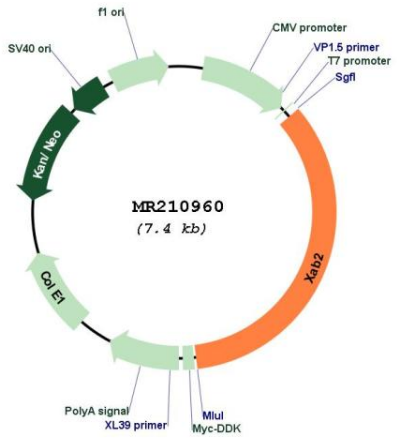
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_026156
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_026156.1, NM_026156.2, NP_080432.1
RefSeq Size:	2654 bp
RefSeq ORF:	2568 bp
Locus ID:	67439
UniProt ID:	Q9DCD2
Cytogenetics:	8 1.92 cM
MW:	100 kDa
Gene Summary:	Involved in pre-mRNA splicing as component of the spliceosome. Involved in transcription-coupled repair (TCR), transcription and pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210960