

Product datasheet for **MG210960**

Xab2 (NM_026156) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xab2 (NM_026156) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Xab2
Synonyms:	0610041O14Rik; AV025587
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MG210960 representing NM_026156
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGTGATGGCGCGAGTTCCGCGTTCGAGCGGCCGGACCTTGTTTTGAGGAAGAGGACCTTCCCT
 ATGAGGAAGAAATCATGAGGAACCAAGTTCTCCGTCAAATGCTGGCTCCGTACATCGAGTTCAAACAGGG
 GGCCCCAAGCCCCGACTCAACCAAGTTGTATGAGCGGGCACTCAAATGCTTCCCTGCAGCTACAACTC
 TGGTACCGCTATCTGAAGGCACGCCGGGCACAGGTGAAACATCGCTGTGTGACTGATCCTGCCTATGAAG
 ATGTCAACAACCTGCCATGAGAGGGCCTTTGTGTTTCATGCACAAGATGCCACGCCTGTGGTTAGACTACTG
 CCAGTTTCTCATGGACCAGGGAAGGGTAACACATACCCGCCGCACCTTTGACCGTGCCCTCAGGGCACTG
 CCCATCACACAACACTCTCGCATCTGGCCCTGTATCTACGTTTCTGCGCTCCACCCACTGCCTGAGA
 CTGCTGTGCGAGGCTACCGTCGTTCTCAAGCTGAGTCTGAGAGCGCTGAGGAATACATCGAGTATCT
 CAAATCCAGTGACCGGTAGACGAGGCTGCACAGCGCTGGCCACCGTGGTCAATGATGAGCGCTTTGTA
 TCCAAGGCTGGTAAATCCAACCTACCAGCTGTGGCAGAGCTGTGTGACCTTATCTCCAGAAATCCGGACA
 AGGTACAGTCTCTCAATGTGGATGCCATAATCCGTGGTGGGCTCACCCGTTTCACTGACCAGCTGGGCAA
 GCTGTGGTGCTCTTTGGCAGACTACTATATCCGCAAGTGGCCACTTCGAAAAGGCTCGGGATGTGTATGAG
 GAGGCTATCCGCACGGTGATGACCGTGCGGGACTTCACCCAGGTGTTTCGACAGCTACGCCAGTTTGAGG
 AGAGCATGATTGCAGCGAAGATGGAGACTGCCTCTGAAGTGGGGCGTGAGGAGGAGGACGATGTGGACCT
 AGAGCTGCGCTGGCCCGCTTCGAACAGCTCATCAGCCGACGGCCCTGCTTCTCAATAGCGTCTTCTG
 CGCCAGAACCCACACACAGTCCACGAGTGGCACAAGCGTGTAGCCCTCCATCAGGGCCGCCCTCGGGAGA
 TTATCAACACATACACAGAGGCTGTGCAACAGTAGACCCCTTCAAAGCCACAGGCAAGCCCCACACACT
 GTGGGTTGCATTGCGCAAGTTTTACGAAGACAATGGACAGCTGGATGATGCTCGTGTCTATCCTAGAGAAG
 GCCACCAAGGTGAACCTCAAGCAGGTGGATGACCTTGCAAGTGTGTGGTGCCAGTGTGGGAGCTAGAGC
 TCAGGCACGAGAATTACGACGAGGCCTTAAAGCTGCTGCGGAAAGCCACGGCTTTGCCTGCCCGCCGAGC
 TGAGTACTTTGATGGTTCAGAACCTGTGCAGAACCGTGTATATAAGTCGCTGAAGGTGTGGTCCATGCTT
 GCCGACTTGAGGAAAGCCTGGGCACCTTCCAGTCAACCAAGGCCGTGTATGACCGAATCCTGGACCTGC
 GCATAGCCACGCCACAGATCGTTATTAAGTATGCCATGTTCTGGAGGAGCACAAGTACTTTGAGGAGAG
 CTTCAAGGCATATGAGCGTGGCATCTCACTGTTCAAGTGGCCCAATGTTTCAGACATCTGGAGCACCTAC
 CTGACCAAATTCATCTCGCGCTATGGGGCCGAAAGCTGGAGCGTGCACGGGATCTCTTTGAGCAGGCAC
 TCGATGGCTGCCACCAAATATGCCAAGACTTTATACCTGCTCTACGCACAGCTGGAGGAGGAGTGGGG
 CCTTGCCCGCCATGCCATGGCTGTGTATGACCGTGCGACAGGGCAGTGGAGCCAGCACAGCAGTACGAC
 ATGTTTAAACATCTACATCAAGCGAGCTGCTGAGATCTATGGCGTCACCCACACTCGTGGCATCTACCAGA
 AGGCCATTGAGGTGCTGTCTGATGAGCATGCCCGTGGATGTGCTGCGGTTTGCAGACATGGAGTGCAA
 GCTCGTGAAATCGACCGCACCCGGGCCATCTACAGCTTCTGCTCCAGATCTGTGATCCCCGGACAACCT
 GGGGCATTCTGGCAAACATGGAAGGACTTTGAGGTCCGGCACGGCAATGAGGATACCATCAGGGAGATGC
 TGAGGATACGGCGGAGTGTGCAGGCCACATAACAATACTCAGGTCAACTTCATGGCTTACAGATGCTCAA
 GGTGTGCGGCAGTGCCACAGGCACCGTGTCTGACCTGGCTCCTGGGCAGAGTGGCATGGATGACATGAAG
 CTGCTGGAACAGAGAGCAGAACAGCTGGCAGCTGAGGCGGAGCGGGACCGCCCGCCAGGGCCAGAGCA
 AGATCTTCTTTGTGAGGAGTGTGCATCCAGGGAGGAATTGGCAGAGCTGGCTCAGCAGGCCAACCTGA
 GGAGATCCAGCTGGGCGAGGATGAGGACGAGGACGAGATGGACCTGGAGCCCAATGAAGTCCGACTGGAA
 CAGCAGAGTGTACCAGCTGCTGTGTTCCGGAGCCTAAAGGAAGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG210960 representing NM_026156
 Red=Cloning site Green=Tags(s)

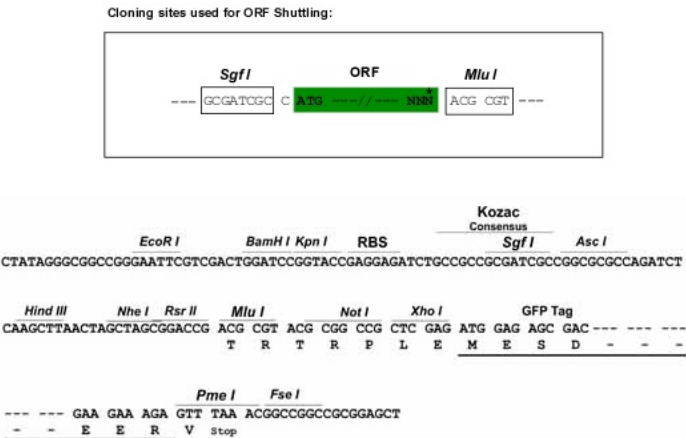
MVVMARVPRSERPDLVFEEEDLPYEEEIMRNQFSVKCWLRYIEFKQGAPKPRLNQLYERALKLLPCSYKL
 WYRYLKARRAQVKHRCVTDPAVEDVNNCHERAFVFMHKMPRLWLDYCQFLMDQGRVTHTRRTFDRLRAL
 PITQHSRIWPLYLRFLRSHPLPETAVRGYRRFLKLSPEAAEEYIEYKSSDRLDEAAQRLATVVNDERFV
 SKAGKSNYQLWHELCDLISQNPDKVQSLNVDAIIRGGLTRFTDQLGKLWCSLADYYIRSGHFEEKARDVYE
 EAIRTVMTVRDFTQVFDSYAQFEESMIAAKMETASELGREEEDVDLELRARFEQLISRRPLLLNSVLL
 RQNP HHVHEWHKRVALHQGRPREIINTYTEAVQTVDPFKATGKPHTLWVAFK FYEDNGQLDDARVILEK
 ATKVNFKQVDDLASVWCQCGELELRHENYDEALKLLRKATALPARRAEYFDGSEPVQNRVYKSLKVWSML
 ADLEESLGTGFQSTKAVYDRILDRLIATPQIVINYAMFLEEHKYFEESFKAYERGISLFKWPNVSDIWSTY
 LTKFISRYGGRKLERARDLFEQALDGCPPKYAKTLYLLYAQLEEEWGLARHAMAVYDRATRAVEPAQQYD
 MFNIYIKRAAEIYGVTHTRGIYQKAIEVLSDHAREMCLRFADMECKLGEIDRTRAIYSFCSQICDPRTT
 GAFWQTWKDFEVRHGNETIREMLRIRRSVQATYNTQVNFMASQMLKVSGSATGTVSDLAPGQSGMDDMK
 LLEQRAEQLAEEAERDQPPRAQSKIFFVRSDASREELAELAQQANPEEIQLGEDEDEMDLEPNEVRLE
 QQSVPAAVFGSLKED

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:	NM_026156
ORF Size:	2565 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_026156.1](#), [NP_080432.1](#)

RefSeq Size: 2655 bp

RefSeq ORF: 2568 bp

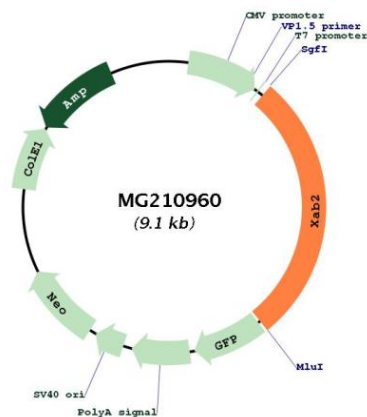
Locus ID: 67439

UniProt ID: [Q9DCD2](#)

Cytogenetics: 8 1.92 cM

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 MG210960