

Product datasheet for **RR213918**

Xab2 (NM_139109) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xab2 (NM_139109) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Xab2
Synonyms:	Ath55
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR213918 representing NM_139109
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGTGATGGCGGAGTTCCGCGTCCCAGCGGCCGGATCTTGTTTTTGAGGAAGAAGACCTTCCCT
 ATGAGGAAGAAATCATGAGGAACCAATTCTCTGTCAAATGCTGGCTCCGCTACATCGAGTTCAAACAGGG
 GGCCCCAAACCCCGACTCAATCAGTTGTACGAGCGGGCACTGAAACTGCTTCCCTGCAGCTACAAACTC
 TGGTACCCTATCTGAAGGCACGCCGGGCGCAGGTGAAACATCGTGTGTGACTGACCCTGCCTATGAAG
 ATGTCAACAACCTGCCATGAGAGGGCCTTCGTGTTTCATGCACAAGATGCCACGTCTATGGTTAGACTATTG
 CCAGTTTCTCATGGACCAGGGCCGAGTCACACACACCCGCCGCACCTTTGACCGGCCCTCAGGGCACTG
 CCCATCACCCAGCACTCTCGCATCTGGCCCTGTATCTGCGTTTCTGCGCTCTCACCCGCTGCCTGAGA
 CTGCTGTGCGAGGCTACCGTCTTCTCAAGCTGAGTCTGAGAGTGTGAGGAGTACATCGAGTACCT
 CAAGTCCAGTGACCGCTAGACGAGGCTGCACAGCGCCTGGCCACAGTGGTGAATGACGAGCGCTTTGTG
 TCCAAGGCTGGTAAATCCAACCTACCAGCTGTGGCACGAGCTGTGTGACCTTATCTCCAGAAATCCAGACA
 AGGTACAGTCTCTCAATGTGGATGCCATAATCCGTGGTGGGCTCACCCGCTTACCAGGACAGCTGGGCAA
 GCTATGGTGCTCCCTGGCAGACTACTATATCCGCAGTGGCCACTTTGAAAAGGCTCGGGATGTGTATGAG
 GAAGCCATCCGCACTGTGATGACCGTGCGGGACTTACCAGGTTTGGACAGCTATGCCAATTCGAGG
 AGAGCATGATTGCAGCGAAGATGGAGACTGCCTCTGAAGTGGGGCGTGAGGAGGAGGATGATGTGGATCT
 GGAGCTGCGCCTGGCCCGCTTTGAGCAGCTCATAAGCCGGCGGCCCTGCTTCTCAACAGTGTCTTCTG
 CGCCAGAACCCACACCAGTCCACGAGTGGCACAAGCGTGTAGCCCTGCATCAGGGCCGCCCTCGGGAGA
 TTATCAACACCTACACAGAGGCCGTGCAGACAGTAGACCCCTTCAAAGCCACGGGCAAGCCCAACCCCT
 GTGGGTTGCATTTGCCAAGTTTTATGAAGACAACGGACAGCTGGACGATGCTCGTGTATCCTAGAGAAG
 GCCACCAAGTGAACCTCAAGCAGTGGACGACCTGGCAAGTGTGTGGTCCAGTGCGGGAGCTGGAGC
 TCCGGCATGAGAAATACGATGAGGCATTAAGCTGCTTCGAAAGCGACAGCTTTGCCTGCCCGCCGGGC
 TGAGTACTTCGATGGTTCAGAGCCTGTGCAGAACCCTGTATACAAGTCTGAGGAGTGTGGTCCATGCTT
 GCCGACCTGGAGGAAAGCTTGGGCACTTCCAGTCAACCAAGGCAGTGTATGACCGAATCCTGGACCTGC
 GCATAGCCACACCACAGATTGTCATTAAGTATGCCATGTTTCTGGAGGAGCACAAGTACTTTGAGGAGAG
 CTTCAAGGCATATGAGCGTGGCATCTCGCTGTTCAAGTGGCCCAATGTTCCGACATCTGGAGCACCTAC
 CTGACCAATTCATCTCCGCTACGGGGCCGCAAGCTGGAGCGTGCACGGGATCTTTGAGCAGGCAC
 TAGATGGCTGCCACCAAATATGCCAAGACTTTATACCTGCTTTACGCACAGCTGGAGGAGGAGTGGGG
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 ATGTTTAAACATCTACATCAAGCGGGCTGCTGAGATCTACGGTGTACCCACACTCGCGGCATCTACCAGA
 AGGCCATTGAGGTGCTGTCTGATGAGCATGCCCGTGGATGTGCCTGAGGTTTGCAGACATGGAGTGCAA
 GCTCGCGAGATCGACCGTGCCTGGGCTATCTACAGTCTGCTCCAGATCTGTGATCCCCGGACAACCT
 GGGCATTCTGGCAAACGTGGAAGGACTTTGAGTCCGGCACGGCAACGAGGACACCATCAGGGAGATGC
 TGAGGATACGGCGGAGTGTGCAGGCCACGTACAACACTCAGTCAACTTCATGGCTTCGAGATGCTCAA
 GGTGTCCGGCAGTGCCACGGGCACGGTGTCTGACCTGGCTCCCGGCAGAGCGGCATGGATGACATGAAG
 TTGCTGGAACAGAGAGCAGAACAGCTAGCGGCCGAGGCAGAGCGGGACCCAGCCCCAGGGCCAGAGCA
 AGATCTTCTTTGTGAGGAGTGTGCATCCAGGGAGGAATTGGCAGAGCTGGCTCAGCAGGCCAACCTGA
 GGAAATCCAGCTGGGCGAGGACGAGGACGAGGACGAGATGGACCTGGAACCCAATGAAGTCCGACTGGAA
 CAGCAGAGTGTGCCAGCTGCTGTGTTCCGGAGCCTAAAGGAAGAC

ACCGGTACCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213918 representing NM_139109
Red=Cloning site Green=Tags(s)

MVVMARVPRPERPDLVFEEEDLPYEEEIMRNQFSVKCWLRYIEFKQGAPKPRLNQLYERALKLLPCSYKL
WYRYLKARRAQVKHRCVTDPAVEDVNNCHERAFVFMHKMPRLWLDYCFQFLMDQGRVTHTRRTFDRALRAL
PITQHSRIWPLYLRFLRSHPLPETAVRGYRRFLKLSPEAAEEYIEYKSSDRLEAAQRLATVVNDERFV
SKAGKSNYQLWHELCDLISQNPDKVQSLNVDAIIRGGLTRFTDQLGKLWCSLADYYIRSGHFEEKARDVYE
EAI RTVMTVRDFTQVFD SYAQFEESMIAAKMETASELGREEEDVDLELRARFEQLISRRPLLLNSVLL
RQNPHHVHEWHKRVALHQGRPREIINTYTEAVQTVDPFKATGKPHLWVAFK FYEDNGQLDDARVILEK
ATKVNFKQVDDLASVWCQCGEELRHENYDEALKLLRKATALPARRAEYFDGSEPVQNRVYKSLKVWSML
ADLEESLGTFFQSTKAVYDRILDRIATPQIVINYAMFLEEKHYFEESFKAYERGISLFWPNVSDIWSTY
LTKFISRYGGRKLERARDLFEQALDGCPPKYAKTYLLYAQLEEEWGLARHAMAVYDRATRAVEPAQQYD
MFNIYIKRAAEIYGVTHTRGIYQKAIIEVL SDEHAREMCLRFADMECKLGEIDRARAIYSFCSQICDPRTT
GAFWQTWKDFEVRHGNETIREMLRIRRSVQATYNTQVNFMASQMLKVSGSATGTVSDLAPGQSGMDDMK
LLEQRAEQLAEEAERDQPPRAQSKIFFVRSASREELAE LAQQANPEEIQ LGEDEDEMDLEPNEVRLE
QQSVPAAVFGSLKED

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

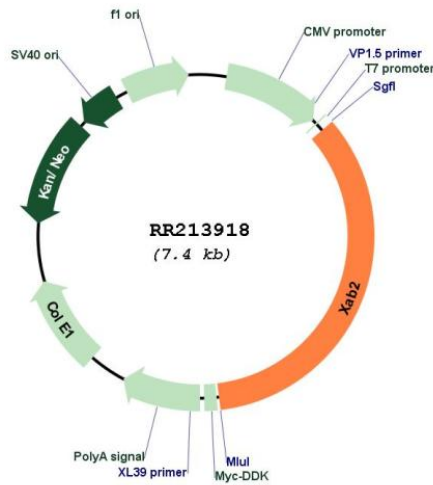
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_139109
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:	<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_139109.2 , NP_620809.1
RefSeq Size:	2683 bp
RefSeq ORF:	2568 bp
Locus ID:	245976
UniProt ID:	Q99PK0
Cytogenetics:	12p12
MW:	100 kDa
Gene Summary:	may play a role in mRNA processing [RGD, Feb 2006]