

Product datasheet for **MR208989**

Apba3 (NM_018758) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Apba3
Synonyms:	AW208791; lin-10; Mint-3; mint3; X11gamma
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR208989 representing NM_018758
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTCAGCTGGGGGCGCTTCATCTGCCTGGTCTTGGTCACCATGGCAACCTTGTCCCTGGCCCGGCCCT
 CCTTCAGTTTATGTTGAGGATACCACTTTAGAACCAGAAAGGAGCACCGTACTGGACCAACACCGAGAAGAT
 GGAGAAGCGGCTCCACGCTGTCCCTGCCGCCAACACTGTGAAGTCCCGTGTCCGGCTGGGGGGAATCCA
 ACGCCCAATGAGGTGGTTAAAAACGGGAAGGAGTTAAGCAGGAGCATCGCATTGGAGGCTATAAGG
 TACGAAACCAAGCACTGGAGCCTTATTATGGAAGTGTGGTCCCGTCAGACAAAGGCAACTACACCTGCCT
 GGTGGAGAATGAATACGGGTCCATCAACCACACCTACCACCTCGATGTCTGTTGAACGGTCACCAACACCGG
 CCCATCCTCCAAGCTGGACTGCCTGCAATGCCTCCACGGTGGTCGGAGGGGATGTGGAGTTTGTCTGCA
 AGGTTTACAGCGATGCCAGCCCCACATCCAGTGGATCAAGCAGTGGAAAAGAACGGCAGTAAATACGG
 GCCTGATGGGCTGCCCTACCTCAAGGTCTGAAGCACTCGGGGATAAATAGCTCCAATGCAGAAGTGCTG
 GCTCTGTTCAATGTGACGGAGATGGATGTGGGGAATATATATGTAAGGTCTCCAATTATATAGGGCAGG
 CCAACCACTGTGCTGGCTCACTGTCTGCCAAACAGCAAGCGCTGTGAGAGAGAAGGAGATCACGGC
 TTCCCCAGATTATCTGGAGATAGCTATTTACTGCATAGGGGTCTTCTTAATCGCTGCATGGTGGTGACA
 GTCATCTTTTGGCAATGAAGACCACGACCAAGAAGCCAGACTTCAGCAGCCAGCCAGCTGTGCACAAGC
 TGACCAAGCGCATCCCCCTGCGGAGACAGGTAACAGTTTCGGCCGAGTCCAGCTCCTCCATGAACTCCAA
 CACCCCGCTGGTGAGGATAACAACGCGTCTGTCTCAACAGCGGACACCCCGATGCTAGCAGGGGTCTCC
 GAGTATGAGTTGCCAGAGGATCCAAGTGGGAATTCAGAGATAAGCTGACGCTGGGCAAACCCCTGG
 GGGAAGGTTGCTTCGGCAAGTAGTCATGGCTGAAGCAGTGGGAATCGATAAAGACAAACCAAGGAGGC
 GGTCACCGTGGCAGTGAAGATGTTGAAAGATGATGCCACAGAGAAGGACCTGTCTGATCTGGTATCAGAG
 ATGGAGATGATGAAGATGATTGGGAAACATAAGAACATTATCAACCTCCTGGGGGCCTGCACGCAGGATG
 GACCTCTCTACGTCATAGTTGAATATGCATCGAAAGGCAACCTCCGGGAATACCTCCGAGCCCGGAGGCC
 ACCTGGCATGGAGTACTCCTATGACATTAAACGTGTCCCGAGGAGCAGATGACCTTCAAGGACTTGGTG
 TCCTGCACCTACCAGCTGGCTAGAGGCATGGAGTACTTGGCTTCCCAAAAATGTATCCATCGAGATTGG
 CTGCCAGAAACGTGTTGGTAACAGAAAACATGTGATGAAGATAGCAGACTTTGGCCTGGCCAGGGATAT
 CAACAACATAGACTACTATAAAAAGACCACAAATGGGCGACTTCCAGTCAAGTGGATGGCTCCTGAAGCC
 CTTTTTGATAGAGTTTAACTCATCAGAGCGATGTCTGGTCTTCGGGGTGTAAATGTGGGAGATCTTTA
 CTTTAGGGGGCTCACCTACCCAGGGATTCCCGTGGAGGAACTTTTTAAGCTGCTCAAAGAGGGACACAG
 GATGGACAAGCCCACTGCACCAATGAAGTACATGATGATGAGGGATTGCTGGCATGCTGTACCC
 TCACAGAGACCCACATTCAAGCAGTTGGTCGAAGACTTGGATCGAATTCTGACTCTCACAACCAATGAGG
 AATACTTGGATCTACCCAGCCTCTCGAACAGTATTCTCCTAGTTACCCCGACACAAGGAGCTCTTGTT
 TTCAGGGGACGATTCTGTGTTTTCTCCAGACCCCATGCCTTATGAACCTGTCTGCCTCAGTATCCACAC
 ATAAACGGCAGTGTAAACAAGCGGACCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208989 representing NM_018758

Red=Cloning site Green=Tags(s)

MVSWGRFICLVLTMTLSLARPSFSLVEDTTLEPEGAPYWTNTEKMEKRLHAVPAANTVKFRCPPAGNP
TPTMRWLKNGKEFKQEHRIGGYKVRNQHWLIMESVVPDSDKGNITCLVENEYGSINHTYHLDVVERS
PILQAGLPANASTVVGDFVCKVYSDAQPHIQWIKHVEKNGSKYGPDPYLKVLKHSGINSSNAEVL
ALFNVTEMDAGEYICKVSNYIGQANQSAWLTVLPKQQAPVREKEITASPDYLEIAIYCIGVFLIACMVV
VIFCRMKTTTKKPDFSSQPAVHKLTKRIPLRRQVTVSAESSSSMNSNTPLVRITRRLSSTADTPMLAGV
EYELPEDPKWEFPRDKLTGKPLGEGCFGQVMAEAVGIDKDKPKEAVTVAVKMLKDDATEKDLSDLVSE
MEMMKMIGKHKNIIINLLGACTQDGLYVIVEYASKGNLREYLRRRPPGMEYSYDINRVPEEQMTFKDLV
SCTYQLARGMEYLASQKCIHRDLAARNVLVTENNVMIADFGARDINNIDYKKTNGRLPVKWMPEA
LFDVRYTHQSDVWSFGVLMWEIFTLGGSPYGPVPEELFKLLKEGHRMDKPTNCTNELYMMMRDCWHAVP
SQRPFTKQLVEDLDRILTLTNEEYLDLTQPLEQYSPSPDTRSSCSSGDDSVFSPDPMPYEPCLPQYPH
INGSVKTS GP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

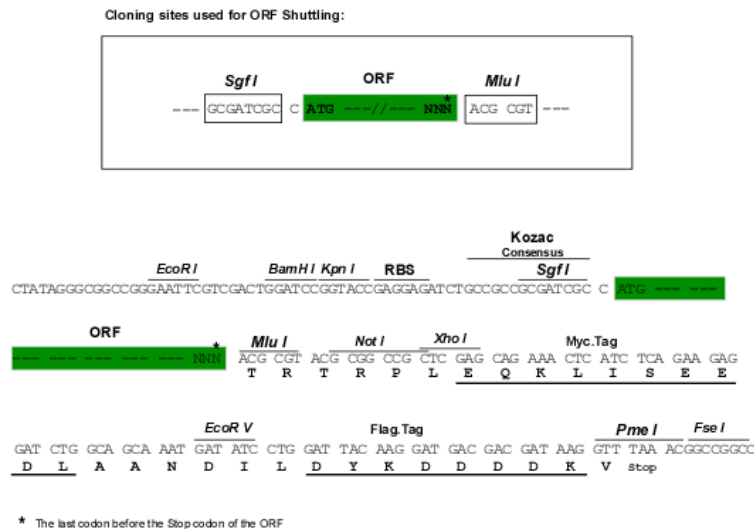
Chromatograms:

https://cdn.origene.com/chromatograms/mm9005_h04.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_018758

ORF Size:

2130 bp

OTI Disclaimer:

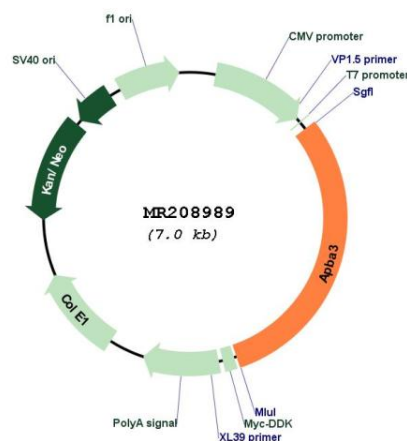
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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 Size:	2039 bp
RefSeq ORF:	1716 bp
Locus ID:	57267
UniProt ID:	<u>O88888</u>
Cytogenetics:	10 C1
MW:	61.2 kDa
Gene Summary:	May modulate processing of the amyloid-beta precursor protein (APP) and hence formation of APP-beta. May enhance the activity of HIF1A in macrophages by inhibiting the activity of HIF1AN (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208989