

Product datasheet for **MG226196**

Apba1 (NM_177034) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apba1 (NM_177034) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Apba1
Synonyms:	6430513E09Rik; Lin-10; Mint; Mint1; Urop11; X11; X11alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226196 representing NM_177034
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCACTTGGAGGGCTCCGCGAGGTGGAGGTGGCCGACGAGGCCAGGAGGGAGGTGAACGAGT
 CCGTGGAGGCCGACCTGGAGCACCCGAGGTGGTGGAGGGACAGCAGCCGTCGCCATCGCCCCCGCCG
 CGCAGGTACGAGCCCGAGGACCACCGCGGCATCCCGCTCCGCCACCGCCGCCACCACCGAGGAGG
 GAGGAGGAAGAGCGCGGCGAGTGCCTGGCGCGCTCGGCCAGCACCAGAGCGGCTTCCACAACCACCG
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 CGATGAGAGCGCTACGCCGTGCAGTACCGGCCGAGGCCGAGGAGTACACGGAGCAGGCCGAGGCCGAG
 CACGCCGAGGCGCGCAGCGCGCGCTGCCAACCACCTGCACTTCCACTCGTGGAGCAGGAGAA
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 TCGAAATCAATGGCCAGAGTGTCTGAGCACACACGAGAAGATCGTCCACATCCTCTCCAATGCTGT
 TGGGAGATCCACATGAAGACAATGCCAGCAGCCATGTACCGACTGCTGACGGCCAGGAGCAGCCGTT
 TACATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG226196 representing NM_177034
 Red=Cloning site Green=Tags(s)

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MNHLEGSAEVEVADEAPGGEVNESVEADLEHPEVVEGQQPSPSPPPPAGHEPEDHRGHPAPPPPPPPQEE
EEEEERGECLARSASTESGFHNHTDTAEGDVLAAARDGYEAERAQDADDESAYAVQYRPEAEEYTEQAEAE
HAEAAQRRALPNHLHFHLSLEHEEAMNAAYSGYVYTHRLFHRADEPYAEPYADYGGQLQEHVYEEIGDAPE
LEARDGLRLYERERDEAAAYRQEALGARLHHYDERSDGE SDSPEKEAEFAPYPRMDSYEQEEDIDQIVAE
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ISLAIKDIKEAIEEVKTRTIRSPYTPDEPKEPIWVMRQDISPTRDCDDQRPVVDGDSPPGSSSPLGAESS
SIPLHPGDPEASTNKESRSLASFPTYVEVPGPCDPEDLIDGIIFAANYLGSTQLLSDKTPSKNVRMMQ
AQEAVSRIKTAQKLAKSRKKAPEGESQPMTEVDLFI STQRIKVLNADTQEPMDHPLRTISYIADIGNIV
VLMARRRMPRSNSQENVEASHPSQDGKRQYKMICHVFESEDAQLIAQSIGQAFSVAYQEF LRANGINPED
LSQKEYSDLLNTQDMYNDL IHF SKSENCKDVFIEKQKGEILGVVIVESGWSILPTVIIANMMHGGPAE
KSGKLNIGDQIMSINGTSLVGLPLSTCQSIKGLKNQSRVKLNIVRCPPVTTVLIRRPDLRYQLGFSVQN
GIICSLMRGGIAERGGVRVGHRIEIEINGQSVVATPHEKIVHILSNAVGEIHMKTMPAAMYRLLTAQE QPV
YI
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

ACCN:	NM_177034
ORF Size:	2526 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_177034.3 , NP_796008.2
RefSeq Size:	6649 bp
RefSeq ORF:	2529 bp
Locus ID:	319924
UniProt ID:	B2RUJ5
Cytogenetics:	19 B
Gene Summary:	Putative function in synaptic vesicle exocytosis by binding to Munc18-1, an essential component of the synaptic vesicle exocytotic machinery. May modulate processing of the amyloid-beta precursor protein (APP) and hence formation of AAP-beta (By similarity). [UniProtKB/Swiss-Prot Function]