

Product datasheet for **MG216706**

Adra2b (NM_009633) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adra2b (NM_009633) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adra2b
Synonyms:	a2b-AR; Adra-2b; alpha2-C2; alpha2B; [a]2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG216706 representing NM_009633
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCGGCCCCGCCATGGTCCACCAGGAGCCCTACTCGGTGCAGGCCACCGCCGCATCGCGTCGGCCA
 TCACCTTTCTCATCCTCTTACCATTTTCGGCAATGCGCTGGTAATTCTGGCTGTGTTGACCAGCCGCTC
 TCTCCGTGCACCACAAAACCTTCTCTGGTGTCACTGGCAGCAGCCGACATCCTAGTGGCTACTCTTATC
 ATCCCTTTCTCTCGCCAACGAGCTGCTGGGCTATTGGTACTTCTGGCGTGCCTGGTGCAGGTTACTAC
 TGGCGCTAGACGTGCTCTTGTACCTCCTCCATCGTGCACCTGTGTGCCATCAGTCTGGACAGATACTG
 GGCAGTGAGCCGAGCATTGGAGTACAACCCAAGCGCACTCCACGCCGCATCAAATGCATCATCCTCACC
 GTGTGGCTCATTGCAGCCGTCATTTCTCTACCGCCCTCATCTACAAGGGCGACCAGCGCCAGAGCCCC
 ACGGGCTCCCCAGTGTGAGCTCAACCAAGAAGCCTGGTACATCTTGGCTTCCAGCATCGGATCTTTTTT
 TGCTCCCTGCCTCATCATGATTCTCGTCTACCTGCGAATCTATGTAATTGCCAAACGCAGCCACTGCAGA
 GGTCTCGGAGCTAAGAGGGGCTCTGGGGAGGGTGAAGTCCAAGAAGCCCCATCCGGCCGCCGGGGAGTTC
 CAGCCTCGGCTAAAGTGCCACCCTGGTCTCTCCTCTATCTTCTGTGGAGAGGCTAATGGACACCCCAA
 GCCTCAAAGGGAGAAGGAGGAGGGGGAGACCCCTGAAGATCCCAGAGCCAGGGCTTTGCCACCCAATTGG
 TCTGCCCTGCCAGATCAGTCCAGGACCAGAAGAAGGGGACTAGTGGGGCAACTGCAGAGAAGGGAGCTG
 AAGAGGATGAAGAGGAGGTGGAAGAATGTGAACCCCAAACACTGCCAGCTTCTCCTGCCTCAGTATTCAA
 CCCACCTTGCAGCAGCCTCAGACTTCCGGGTGCTGGCCACGCTACGTGGCCAGGTGCTTCTGAGCAAG
 AATGTGGTGTGGCCAGTGGGCAGTGGTGGCCCGTGGACACAGCTGAGCCGAGAGAAGAGGTTACCT
 TTGTGCTGGCGGTGGTCATTGGTGTGTTTTGTGGTCTGTTGGTTTTCTTTCTTTCAGCTACAGCCTGGG
 GGCCATCTGCCACAGCACTGCAAGGTACCCCATGGCCTCTTCCAGTCTTCTTCTGGATTGGCTACTGC
 AACAGCTCTTTGAATCCTGTCATCTACCCATCTTCAACCAGGACTTCCGCCGTGCTTTTGAAGGATCC
 TTTGCCGGCAGTGGACCCAGACTGGCTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216706 representing NM_009633
 Red=Cloning site Green=Tags(s)

MSGPAMVHQEPYSVQATAAIASAITFLILFTIFGNALVILAVLTSRSLRAPQNLFLVSLAAADILVATLI
 IPFSLANELLYWYFWRAWCEVYLALDVLFTSSIVHLCAISLDRYWAVSRALYNSKRTPRRIKCIILT
 VWLIAAVISLPLIYKGDQRPEPHGLPQCELNQEAWYILASSIGSFFAPCLIMILVYLRIYVIAKRSHCR
 GLGAKRSGEGESKKPHPAAGGVPASAKVPTLVSPSSVGEANGHPKPPREKEGETPEDPEARALPPNW
 SALPRSVQDQKKGTSGATAEKGAEEDEEEVEECEPQTLASPASVFNPLQPPQTSRVLATLRGQVLLSK
 NVGVASQWRRRTQLSREKRFVFLAVVIGVFVVCWFPPFFSYSLGAIQPHCKVPHGLFQFFFWIGYC
 NSSLNPVIYTFNQDFRRFRILCRQWTQTGW

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_009633

ORF Size: 1359 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_009633.3](#), [NP_033763.2](#)

RefSeq Size: 3936 bp

RefSeq ORF: 1362 bp

Locus ID: 11552

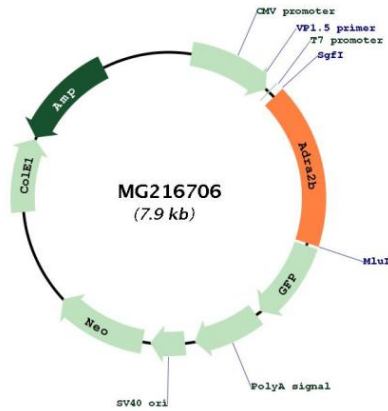
UniProt ID: [F8VQ23](#)

Cytogenetics: 2 61.95 cM

Gene Summary:

Alpha-2 adrenergic receptors mediate the catecholamine-induced inhibition of adenylate cyclase through the action of G proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216706