

Product datasheet for **MG225687**

Adrb3 (NM_013462) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adrb3 (NM_013462) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adrb3
Synonyms:	Adrb-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225687 representing NM_013462 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCGTGGCCTCACAGAAACGGCTCTCTGGCTTTGTGGTCGGACGCCCTACCCTGGACCCAGTG
CAGCCAACACCAGTGGGTTGCCAGGAGTACCATGGGCAGCGCATTGGCTGGGGCATTGCTGGCGCTGGC
CACGGTGGGAGGCAACCTGCTGGTAATCATAGCCATCGCCCGACGCCGAGACTACAGACCATAACCAAC
GTGTTCTGACTCACTGGCCGAGCTGACTTGGTAGTGGGACTCCTCGTAATGCCACCAGGGCCACAT
TGGCGCTGACTGGCCATTGGCCCTTGGGCGAAACTGGTTGCGAACTGTGGACGTCAGTGGACGTGCTCTG
TGTAAGTCTAGCATCGAGACCTTGTGCGCCCTGGCTGTGGACCGCTACCTAGCTGTACCAACCCCTTG
CGTTACGGCACGCTGGTTACCAAGCGCCGCGCCCGCGCGCAGTTGTCCTGGTGTGGATCGTGTCCGCTG
CCGTGTCTTTGCGCCCATCATGAGCCAGTGGTGGCGTGTAGGGGAGATGCCGAGGCACAGGAATGCCA
CTCCAATCCGCGCTGCTGTTCTTTGCCTCCAACATGCCCTATGCGCTGCTCTCCTCCTCCGCTCTCCTTC
TACCTTCCCTCCTTGTGATGCTCTTCTGCTATGCTCGAGTGTTCGTTGGTAAGCGCCAACGGCATT
TGCTGCGCCGGAACGGCCGCTTCTCGCCGAGGAGTCTCCGCCGTCTCCGTCCGCTCTCCGTCCTCCG
TGCCACAGGCGGGACACCCGCGGCACCCGATGGAGTCCCCCTCGCGCCGGCGGCTGCGCGCTCCTG
CCACTCCGGGAACACCCGCCCCGCGCACCTTAGGTCTCATTATGGGCATCTTCTCTGTGCTGGCTGC
CCTTCTTCTGGCAACGTGCTGCGCGCACTCGCGGGCCCTCTAGTTCAGCGGAGTTTTCATCGC
CCTGAAGTGGCTGGGCTATGCCAACTCCGCCTTCAACCCGGTCACTACTGCCGAGCCCGGACTTTCGC
GACGCTTCCGTCGTCTTCTGTGTAGCTACGGTGGCCGTGGACCGGAGGACCCAGCGCAGTCACTTCC
CAGCCAGCCCTGTTGAAGCCAGGAGAGTCCACCCTCAACAGGTTTGTGGCTATGAAGGTGCGCGTCC
GTTTCCACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225687 representing NM_013462
Red=Cloning site Green=Tags(s)

MAPWPHRNGSLALWSDAPTLDPSAANTSGLPGVPWAAALAGALLALATVGGNLLVIAIARTPRLQTITN
 VFVTSLAAADLVGLLVMPPGATLALTGHWPLGETGCELWTSVDVLCVTASIELCALAVDRYLAVTNPL
 RYGTLVTKRRARAAVLVVIVSAAVSFAPIMSQWWRVGDADAEAEQCHSNPRCCSFASNMPYALLSSVSF
 YLPLLVMFLVYARVFFVAKRQRHLLRRELGRFSPEESPPSPSRSPATGGTPAAPDGVPPCGRRPARLL
 PLREHRALRTLGLIMGIFSLCWLPFFLANVLRALAGPSLVPSGVFIALNWLGYANSANFNPIYCRSPDFR
 DAFRRLLCSYGGRGPEEPRAVTFPASPVEARQSPPLNRFDGYESGARPFPPT

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1659_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013462

ORF Size: 1200 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_013462.3](#), [NP_038490.2](#)

RefSeq Size: 2795 bp

RefSeq ORF: 1203 bp

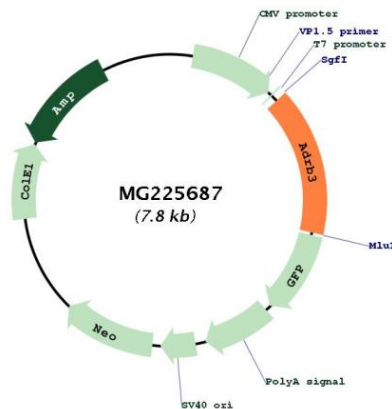
Locus ID: 11556

UniProt ID: [P25962](#)

Cytogenetics: 8 15.94 cM

Gene Summary: Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylate cyclase through the action of G proteins. Beta-3 is involved in the regulation of lipolysis and thermogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG225687