

Product datasheet for **RG226811**

ADAD2 (NM_001145400) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ADAD2
Synonyms:	TENRL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG226811 representing NM_001145400
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTTCGGCTTCTCAGGGCGCTGACGACGACGGCAGTCGTAGGAAGCCCCGCTGGCTGCATCGTTGC
 AGATCAGCCCCAGCCCCGCCCTGGCGACCGCTACCCGCCAGGCCCAAAGTGCCTGGGGCCCCGCGCC
 CGCGCCCCGACGTATCGCGCGGAGGGCGGGTGGCCCCAGGTCTCGGTGTTAGGGACAGTGGGCCTGGG
 GCAGGGGCCGAGTTCGGGGAAGTGGGGGACGCCGGGCGTGGGAAAAGTGGGGGAACAGATGGGGAAGG
 CCCCAGGGTCCCTGTGCCCCAGCAGGGCTCAGCTGCCGCTCAAAGACCCACCTGCCAGCCAGGCCGT
 GTCCTTGTCTACGGAGTACGCGGCCAGCCTGGGCATCTTCTGCTCTCCGGGAGGACAGCCACCAAGT
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 CTACCTCCTGGCCTTGAAGACCTACGAGGCTGCCAAGGCTGGGCCCTACCAGGAGGCTCGCAGGCAGCTG
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

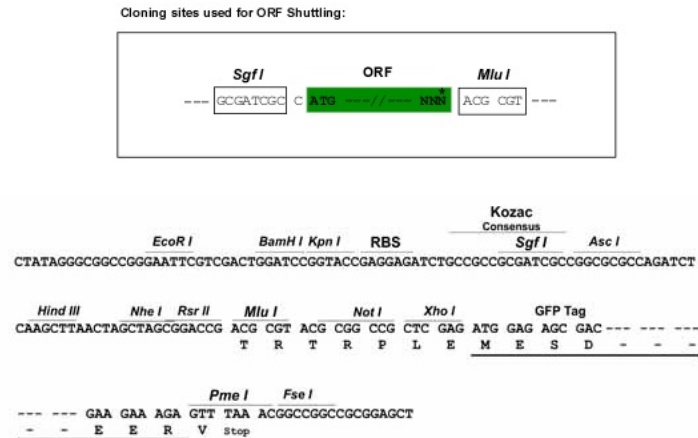
Protein Sequence: >RG226811 representing NM_001145400
 Red=Cloning site Green=Tags(s)

MASASQGADDDGSRKPRLAASLQISQPRPWRPLPAQAQSAWGPAPAPATYRAEGGWQVSVLRDSGPG
 AGAGVGELGAARAWENLGEQMGKAPRVPVPPAGLSLPLKDPASQAVSLLTEYAASLGIFFLFREDQPPG
 PCFPFSVSAELDGVVCPAGTANSKTEAKQQAALSAICYIRSQLNPESPQTSSRPPLAPLSVENILTHEQ
 RCAALVSAGFDLLDERSPYWACKGTVAGVILEREIPRARGHVKEIYKLVALGTGSSCCAGWLEFSGQQL
 HDCHGLVIARRALLRFLFRQLLATQGGPKGKEQSVLAPQPGPGPPFTLKPVRFLHLYISNTPKGAARDI
 YLPPTSEGLPHSPPMRLQAHVLGQKPVYVAPSLCDTHVGCLASDKLARWAVLGLGGALLAHLVSP
 YSTSLILADSCHDPPTLSRAIHTRPCLDSVLGPCLPPYVRTALHLFAGPPVAPSEPTDTCRGLSLNWS
 LGDPGIEVVDVATGRVKANAALGPPSRLCKASFLRAFHQAARAVGKPYLLALKTYEAAKAGPYQEARRQL
 SLLLDQQLGAWPSKPLVGKFRN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145400

ORF Size: 1749 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.

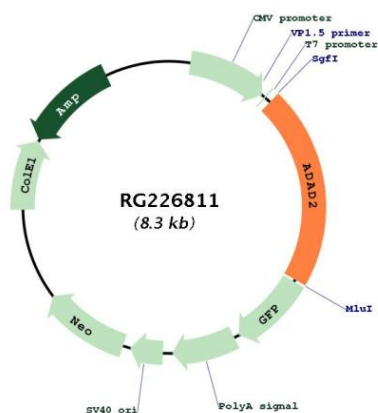
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001145400.2](#)

RefSeq Size: 2076 bp

RefSeq ORF: 1752 bp
 Locus ID: 161931
 UniProt ID: [Q8NCV1](#)
 Cytogenetics: 16q24.1

Product images:



Circular map for RG226811