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Product datasheet for RG215926

ATP8B2 (NM_001005855) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP8B2 (NM_001005855) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ATP8B2
Synonyms:	ATPID
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG215926 representing NM_001005855
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGTGTGTGCAAAAAAGCGCCCCCCAGAAGAAGAAAGGAGGGCGCGGGCTAATGACCGAGAATACA
ATGAGAAATTCCAGTATGCGAGTAACTGCATCAAGACCTCCAAGTACAATATTCTCACCTTCCTGCCTGT
CAACCTCTTTGAGCAGTTCCAGGAAGTTGCCAACACTTACTTCCTGTTCCTCCTCATTCTGCAGTTGATC
CCCCAGATCTCTTCCCTGTCCTGGTTCACCACCATTGTGCCTTTGGTTCTTGTCCTCACCATCACAGCTG
TTAAAGATGCCACTGATGACTATTTCCGCCACAAGAGCGATAACCAGGTGAATAACCGCCAGTCTCAGGT
GCTGATCAATGGAATCCTCCAGCAGGAGCAGTGGATGAATGTCTGTGTTGGTGATATTATCAAGCTAGAA
AATAACCAGTTTGTGGCGGCGGATCTCCTCCTCCTTTCCAGCAGTGAGCCCCATGGGCTGTGTTACATAG
AGACAGCAGAACTTGATGGCGAGACCAACATGAAAGTACGTCAGGCGATTCCAGTCACCTCAGAATTGGG
AGACATCAGTAAGCTTGCCAAGTTTGACGGTGAAGTGATCTGTGAACCTCCCAACAACAAACTGGACAAA
TTCAGCGGAACCCTCTACTGGAAGGAAAATAAGTTCCCTCTGAGCAACCAGAACATGCTGCTGCGGGGCT
GTGTGCTGCGAAACACCGAGTGGTGCTTCGGGCTGGTCATCTTTGCAGGTCCCGACACTAAGCTGATGCA
AAACAGCGGCAGAACAAAGTTCAAAAGAACGAGTATCGATCGCCTAATGAATACCCTGGTGCTCTGGATT
TTTGGATTCCTGGTTTGCATGGGGGTGATCCTGGCCATTGGCAATGCCATCTGGGAGCACGAGGTGGGGA
TGCGTTTCCAGGTCTACCTGCCGTGGGATGAGGCAGTGGACAGTGCCTTCTTCTCTGGCTTCCTCTCCTT
CTGGTCCTACATCATCATCCTCAACACCGTTGTGCCCATTTCACTCTATGTCAGGTATGTGCCTTCTCTG
ACCTGGGGTCTCTCCAGGGAGTCAGGCGGTCCCATAGAACTTTTCTTTTCTATGAAGATGAAGTCCTTGA
GAAGTAACGAGAAGTCCTCTTCTTCCTGTACTGTAAACATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

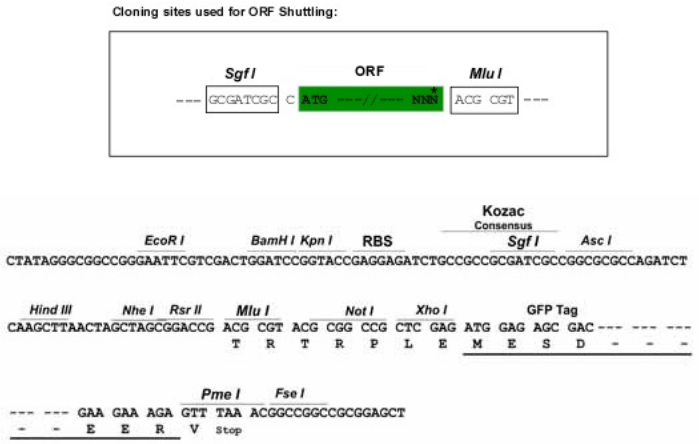
>RG215926 representing NM_001005855
Red=Cloning site Green=Tags(s)

MAVCAKKRPPEEERRARANDREYNEKFQYASNCIKTSKYNILTFLPVNLFEQFQEVANTYFLFLLILQLI
PQISSLSWFTTIVPLVLVLTITAVKDATDDYFRHKSDNQVNNRQSQVLINGILQQEQWMNVCVGDIIKLE
NNQFVAADLLLLSSSEPHGLCYIETAELDGETNMKVRQAIPVTSELGDISKLAKFDGEVICEPPNNKLDK
FSGTLYWKENKFPLSNQNMLLRGCVLRNTEWCFGLVIFAGPDTKLMQNSGRTKFKRTSIDRLMNTLVLWI
FGFLVCMGVILAIGNAIWEHEVGMRFQVYLPWDEAVDSAFFSGFLSFWSYIIILNTVVPISLYVRYVPSL
TWGLSRESGGPIELFFSMKMKSLRSNEKSSSSCTVNI

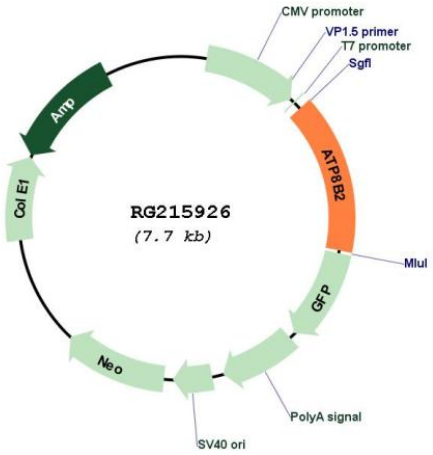
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001005855

ORF Size:	1161 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_001005855.2
RefSeq Size:	1560 bp
RefSeq ORF:	1164 bp
Locus ID:	57198
UniProt ID:	P98198
Cytogenetics:	1q21.3
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of aminophospholipid-transporting ATPases. The aminophospholipid translocases transport phosphatidylserine and phosphatidylethanolamine from one side of a bilayer to another. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]