

Product datasheet for **MG213689**

Aar2 (NM_001164818) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aar2 (NM_001164818) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Aar2
Synonyms:	0610011L14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG213689 representing NM_001164818 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTCCATGCAGATGGATCCAGAGTTAGCCAAGCAGCTCTTCTTTGAAGGAGCCACGGTGGTCATTC
TGAACATGCCCAAGGGGACAGAGTTTGGCATTGACTACAACCTCTGGGAGGTGGGGCCCAAGTCCGGGG
TGTGAAGATGATCCCCCTGGCATCCACTTCTGTACTACAGCTCTGTGGACAAGCCAATCCCAGGGAG
GTGGGCCCTCGCATGGGCTTCTCCTCAGCCTGAAGCAGCGGGGCTGACAGTCTGCGCTGGAATGCAG
TCCAGGAAGAAGTAGACCTGTCTCCAGCTCCAGAGGCTGAAGTAGAAGCTATGAGAGCCAATCTCCAGA
CCTAGACCAGTTTCTGGGACCTTACCCATATGCTACACTCAAGAAATGGATCTCACTACCAACTTCATC
AGTGAGGCCACCATGGAGAAGCTGCAGCCTGAGAGCAGGCAGATCTGCGCCTTCTCAGATGTGCTGCCTG
TGCTTTCCATGAAGCACACCAAGGACAGGGTGGGGCAGAATCTGCCCTCTGCGGCACCGAGTGCAGAAG
CTACCAAGAGGGCCTAGCCCGGCTGCCCGAGATGAGGCCAGGGCTGGGACAGAGATCCGCTTCTCAGAG
TTGCCCACTCAGATGTTCCAGCAGGAGCCACACCAGCAGAGATCACCAGGCACAGCATGGACTTGAGCT
ATGCCCTCGAACTGTGCTCAGCAAGCAGTTCCTGGCAACCCCAAGGATGTGCTGGTGAAGCTCCAGTT
TGCTGTGGTCTGAATCTGCCATGGGGAAGTACCACGCCCTGTACATCAGCCTCATCTCCATCCTGTACC
ACCAGTTGGTGAGATCCCTGCTGACTTCTTTGTGGACATTGTCTCCAGGACAACCTCCTCACCAGTAC
CTTACAGTTTTTCTTTCTCTGCTGCAGTATTGCTGTGGAAGCCACCTGAGGAAGAAAGCTGAGAAG
TTCCAAGCCACCTGACTAAGAAGTTCCGCTGGGACTTCACTTACAGCCAGAGGACTGTGCCCCAGTGG
TGGTGGAGCTCCCGAGGGCATCGAGACGGCC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG213689 representing NM_001164818
 Red=Cloning site Green=Tags(s)

MSSMQMDPELAKQLFFEGATVVILNMPKGTFFGIDYNSWEVGPKFRGVKMIPPGIHFLYSSVDKANPRE
 VGPRMGFFLSLKQRGLTVLRWNAVQEEVDLSPAPEAEVEAMRANLPDLQFLGPYPYATLKKWISL TNFI
 SEATMEKLQPESRQICAFSDVLPVLSMKHTKDRVGNLPLCGTECRSYQEGLARLPEMRPRAGTEIRFSE
 LPTQMFPAGATPAEITRHSMDLSYALETVLSKQFPGNPQDVLGELQFAFVCFLLGNVYEA FEHWKRLNL
 LCRSESAMGKYHALYISLISILYHQLGEIPADFFVDIVSQDNFLTSTLQVFFSSACSIAVEATLRKKA EK
 FQAHLTKKFRWDF TSEPDCAPVVVELPEGIETA

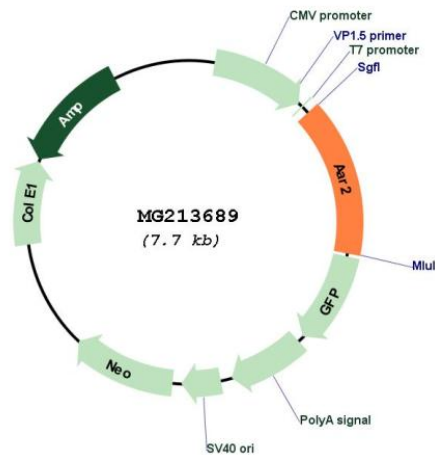
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001164818

ORF Size:	1152 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_001164818.1 , NP_001158290.1
RefSeq Size:	3590 bp
RefSeq ORF:	1155 bp
Locus ID:	68295
UniProt ID:	Q9D2V5
Cytogenetics:	2 H1
Gene Summary:	Component of the U5 snRNP complex that is required for spliceosome assembly and for pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]