

Product datasheet for **MG204528**

Aagab (NM_025857) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aagab (NM_025857) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Aagab
Synonyms:	2310007F21Rik; p34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204528 representing NM_025857 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCCGGTGTACCCTGCGCGCTGGTTACCAGCTGCTCCGCCACCTTCACCGGGACCCGGCTGGTGC
AACATATCCTTGGGACAGAAGATGCTGTTGTGGAAGCAACTTCAGCGATGCTGTGAGGTTTTACCCCTG
GACCATCGATAACAAGTACTATTCGCGAGAGATCAACCTGTGCGTGGTCCAAGCAAGTCTCTGGTCACT
GCTGAGATTGCCGAGTCAGTCCAGGCGTTGTAGTTTACTTTGACAGCACACAGAAATCAGGTCTTGACA
GCGTCTCCTCGTGGCTCCCTCTGGCAGAAGCATGGCTAGCTGAGGTGATGATCCTGGTCTGTGATAGAGT
GTGTGACGATGGAATAAACCGACAACAGGCTCAAGAGTGGTGCATCAAACATGGCTTTGAGTTGGTGAA
CTCAACCCAGAGGAGCTGCCCGAGGAGGACGATGACTTCCTGAATCTACAGGTGTAAGCGGATTGTAC
AAGCATTGAATGCCAATGTCTGGTCCAATGTCGTGATGAAGAGTGACAGGAGCCAGGGCTTCAGCCTTCT
CAACTCACTGGCTGGGGCAAACCGCAGAGTTGCATCAGCAGAGAGCTGTCACTCTGAGCAGCAGGAGCCG
TCGCCAACAGCTGAGAGGACAGAGTCCCTCCCTGGCCATCACAGTGGTGGTGTGGCTCAGCAGGCGCAC
AGGTTGACAGCATTGTCGACCCCATGTTAGACCTGGATATTCAAGAACTAGCCAGTCTTACCCTGGAGG
AGGTGATCTGGAGAACTTCGAGAGACTCTTTTCAAAGTTAAAAGAAATGAAAGACAAGGCTGCGACGCTT
CCTCATGAGCAAAGAAAGTTGCATGCAGAAAAGGTGCCAAAGCCTTCTGGATGGCAATAGGAGGGGACC
GAGATGAGATCGAGGGCCTTTCTTCTGATGACGAGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204528 representing NM_025857
 Red=Cloning site Green=Tags(s)

MAAGVPCALVTSATFTGDRLVQHILGTEDAVVEATSSDAVRFYPWTIDNKYSAEINLCVVPSKFLVT
 AEIAESVQAFVVYFDSTQKSGLDVSSWLPLAEAWLAEMILVCDRVCDGGINRQQAQEWCIKHGFELVE
 LNPEELPEEDDDFPESTGVKRIVQALNANVWSNVVMKSDRSQGFLLNSLAGANRRVASAESCHSEQQEP
 SPTAERTESLPGHHSACGSAGA QVDSIVDPMLDLDIQELASLTTGGGDLENFERLF SKLKEMKDKAATL
 PHEQRKLHAEKVAKAFWMAIGGDRDEIEGLSSDDEH

TRTRPLE - GFP Tag - V

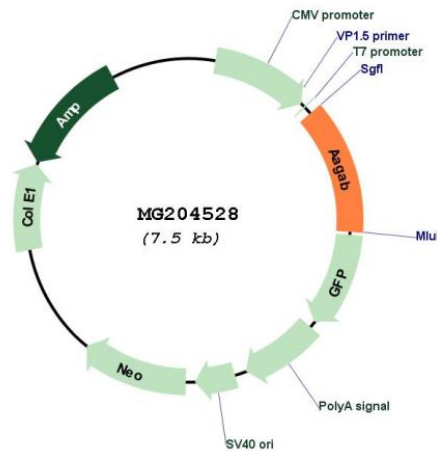
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_025857

ORF Size: 948 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_025857.3
RefSeq Size:	2600 bp
RefSeq ORF:	951 bp
Locus ID:	66939
UniProt ID:	Q8R2R3
Cytogenetics:	9 C
Gene Summary:	May be involved in endocytic recycling of growth factor receptors such as EGFR. [UniProtKB/Swiss-Prot Function]