

Product datasheet for **MG205561**

Naaa (NM_025972) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Naaa (NM_025972) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Naaa
Synonyms:	2210023K21Rik; 3830414F09Rik; Asahl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205561 representing NM_025972 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACCCTAGCCACCAGGGCCGCGTGCCATGGGGCACACCTGGCCCTGGCTCTGTTGCTGCTACTGT
CGCTGTCCGGTCCCTGGCTGTGCGCTGTGCTCCCCGGGACTCCGCCTCTTTCAACGTCAGTCTGGACGT
GGCCCCGGAGCAGCGCTGGCTGCCGATGCTGCGGCACTACGACCCAGACTTCTTGCGCACCGCGGTGGCG
CAGGTCATTGGCGACAGGGTTCCCCAGTGGTACTCGGGATGGTGGAGAAATTGTGCGAAGGTGGAGA
GCTTCCTGCCTCAGCCCTTCACCGACGAGATCCGCAGCATCTGTGACTCGCTCAACCTCAGCCTGGCTGA
CGGTATCTTGGTCAACCTGGCCTACGAGGCTTCCGCATTCTGCACCAAGTATTGTGGCCCAAGACTCCCAA
GGCCGTATTTACCACGGGCGGAACCTGGACTATCCTTTTGGAAAAATCTTACGAAAGCTGACAGCGGACG
TGCAGTTTATAAAGAATGGGCAGATTGCATTCCTGGGACCACCTTTTGTGGCTATGTAGGACTGTGGAC
AGGCCAAAGTCCACACAAGTTTACAATTTCTGGTGATGAACGAGATAAAGGCTGGTGGTGGGAGAATATG
ATCGCGGCGCTTTCTCTGGGACACTCCCCATCAGCTGGCTTATCCGCAAAACCTGAGTGAGTCAGAAA
GCTTCGAAGCAGCTGTCTACACGCTGGCCAAGACTCCCCTATTGCTGACGTTTATTACATTGTTGGGGG
TACATCGCCCAAGGAGGGAGTAGTCATCACCAGGACCGAGGTGGCCCGGACACATTTGGCCTCTTGAC
CCTCTGAATGGAGAGTGGTTCCGAGTTGAGACAAATTATGACCAATTGGAAGCCTGCACCCAAGGTGGATG
ACCGAAGAACACCAGCCATCAAAGCCCTAAATGCTACAGGGCAAGCTCACCTCAATCTGGAGACCCCTCTT
CCAGGTTTTATCCCTGTTTCTGTTTATAACAACCTACACAATTTATACTACAGTGATGAGCGCTGCCGAG
CCCACAAGTACCTGACCATGATCAGAAACCCGAGC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG205561 representing NM_025972
 Red=Cloning site Green=Tags(s)

MGTLATRAACHGAHLALALLLLSLSGPWLSAVVPGTPPLFNVSLDVAPEQRWLPMLRHYDPDFLRTAVA
 QVIGDRVPQWVLMVGEIVSKVESFLPQPFTDEIRSICDSLNLADGILVNLAYEASAFCTSIVAQDSQ
 GRIYHGRNLDYFPGKILRKLTAADVQFIKNGQIAFTGTTFFVGYVGLWTGQSPHKFTISGDERDKGWWWENM
 IAALSLGHSPISWLIRKTLSESESFEEAAYTLAKTPLIADVYIYVGGTSPKEGVVITRDRGGPADIWPLD
 PLNGEWFVRVETNYDHWKPAPKVDDRRTPAIKALNATGQAHLNLETFLQVLSLFPVYNNYIYTTVMSAAE
 PDKYLTMIRNPS

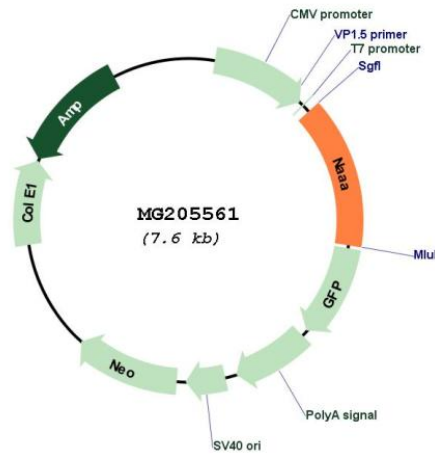
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_025972

ORF Size:	1086 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_025972.1 , NP_080248.1
RefSeq Size:	1827 bp
RefSeq ORF:	1089 bp
Locus ID:	67111
UniProt ID:	Q9D7V9
Cytogenetics:	5 E2
Gene Summary:	Degrades bioactive fatty acid amides to their corresponding acids, with the following preference: N-palmitoylethanolamine > N-myristoylethanolamine > N-stearoylethanolamine > N-oleoylethanolamine > N-linoleoylethanolamine > N-arachidonoylethanolamine. [UniProtKB/Swiss-Prot Function]