

Product datasheet for **MG216501**

Naaa (NM_001163687) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >MG216501 representing NM_001163687
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGGGGACCTAGCCACCAGGGCCGCGTGCCATGGGGCACACCTGGCCCTGGCTCTGTTGCTGCTACTGT
CGCTGTCCGGTCCCTGGCTGTCCGGTGTCTGCCCGGGACTCCGCCTCTCTTCAACGTCACTGGACGT
GGCCCCGGAGCAGCGCTGGCTGCCGATGCTGCGGCACTACGACCCAGACTTCTTGCGCACCCGGTGGCG
CAGGTCAATGGCGACAGGGTCCCCAGTGGTACTCGGGATGGTCGGAGAAATTGTGCGAAGGTGGAGA
GCTTCCTGCCTCAGCCCTCACCGACGAGATCCGCAGCATCTGTGACTCGCTCAACCTCAGCCTGGCTGA
CGGTATCTTGGTCAACCTGGCCTACGAGGCTTCCGCATTCTGCACCACTATTGTGGCCCAAGACTCCCAA
GGCCGTATTTACCACGGGCGGAACCTGGACTATCCTTTGGAAAAATCTTACGAAAGCTGACAGCGGACG
TGCAGTTTATAAAGAATGGCAGATTGCATCACTGGGACCACTTTTGTGGCTATGTAGGACTGTGGAC
AGGCCAAAGTCCACACAAGTTTACAATTTCTGGTATGAACGAGATAAAGGCTGGTGGTGGGAGAATATG
ATCGCGCGCTTTCTCTGGGCACTCCCCATCAGCTGGCTTATCCGAAAACCTGAGTGAGTCAAGAAA
GCTTCGAAGCAGCTGTCTACACGCTGGCCAAGACTCCCTCATTGCTGACGTTTATTACATTGTTGGGG
TACATCGCCCAAGGAGGAGTAGTCATCACCAGGACCGAGGTGGCCCGCAGACATTTGGCCTCTTGAC
CCTCTGAATGGAGAGTGGTTCGAGTTGAGACAAATTATGACCATTGGAAGCCTGCACCCAAGGTGGATG
ACCGAAGAACCAGCCATCAAGCCCTAAATGCTACAGGGCAAGCTCACCTCAATCTGGAGACCCCTCTT
CCAGGTTTTATCCCTGTTTCTGTTTATAACAACCTACACAATTTATACTACAGTGATGAGCGCTGCCGAG
CCCGACAAGTACCTGACCATGATCAGAAACCCGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216501 representing NM_001163687
Red=Cloning site Green=Tags(s)

MGTLATRAACHGAHLALALLLLLSLSPWLSAVVPGTPPLFNVSLDVAPEQRWLPMLRHYDPDFLRTAVA
 QVIGDRVPQWVLMGVEIVSKVESFLPQPFTDEIRSIDSLNLSLADGILVNLAYEASAFCTSIWAQDSQ
 GRIYHGRNLDYFPGKILRKLADVQFIKNGQIAFTGTTFVGVVGLWTGQSPHKFTISGDERDKGWWWENM
 IAALSLGHSPISWLIKRLTSESESEFAAVYTLAKTPLIADVYIVGGTSPKEGVVITRDRGGPADIWPLD
 PLNGEWFVRVETNYDHWKPAPKVDRRRTPAIKALNATGQAHLETLFQVLSLFPVYNNYTIYTTVMSAAE
 PDKYLTMIRNPS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001163687

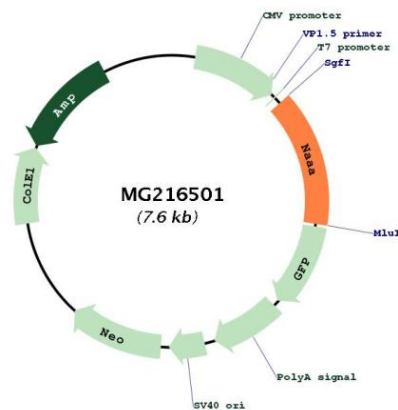
ORF Size: 1086 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001163687.1 , NP_001157159.1
RefSeq Size:	2418 bp
RefSeq ORF:	1083 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-arachidonoyl ethanolamine. [UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG216501