

## Product datasheet for MR205561

### Naaa (NM\_025972) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Naaa (NM_025972) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Naaa
Synonyms:	2210023K21Rik; 3830414F09Rik; Asahl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205561 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGACCTAGCCACCAGGGCCGCGTGCCATGGGGCACACCTGGCCCTGGCTCTGTTGCTGCTACTGT  
CGCTGTCCGGTCCCTGGCTGTGCGCTGTGCTCCCCGGGACTCCGCCTCTTTCAACGTCAGTCTGGACGT  
GGCCCCGAGCAGCGCTGGCTGCCGATGCTGCGGCACTACGACCCAGACTTCTTGCGCACCGCGGTGGCG  
CAGGTCATTGGCGACAGGGTTCCCCAGTGGTACTCGGGATGGTGGAGAAATTGTGCGAAGGTGGAGA  
GCTTCCTGCCTCAGCCCTTCACCGACGAGATCCGACGATCTGTGACTCGCTCAACCTCAGCCTGGCTGA  
CGGTATCTTGGTCAACCTGGCCTACGAGGCTTCCGATTCTGCACAGTATTGTGGCCAAAGACTCCCAA  
GGCCGTATTTACCACGGCGGAACCTGGACTATCCTTTTGGAAAAATCTTACGAAAGCTGACAGCGGACG  
TGCAGTTTATAAAGAATGGGCAGATTGCATTCACTGGGACCACCTTTTGTGGCTATGTAGGACTGTGGAC  
AGGCCAAAGTCCACACAAGTTTACAATTTCTGGTGATGAACGAGATAAAGGCTGGTGGTGGGAGAATATG  
ATCGCGGCGCTTTCTCTGGGACACTCCCCATCAGCTGGCTTATCCGCAAAACCTGAGTGAGTCAGAAA  
GCTTCGAAGCAGCTGTCTACACGCTGGCCAAGACTCCCCTATTGCTGACGTTTATTACATTGTTGGGG  
TACATCGCCCAAGGAGGGAGTAGTCATCACCAGGACCGAGGTGGCCCGCAGACATTTGGCCTCTTGAC  
CCTCTGAATGGAGAGTGGTTCCGAGTTGAGACAAATTATGACCAATTGGAAGCCTGCACCAAGGTGGATG  
ACCGAAGAACACCAGCCATCAAAGCCCTAAATGCTACAGGGCAAGCTCACCTCAATCTGGAGACCCCTCTT  
CCAGGTTTTATCCTGTTTCTGTTTATAACAACCTACACAATTTATACTACAGTGATGAGCGCTGCCGAG  
CCCACAAGTACCTGACCATGATCAGAAACCCGAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205561 protein sequence  
 Red=Cloning site Green=Tags(s)

MGTLATRAACHGAHLALALLLLLSL SGPWLSAVVP GPPLFNVSLDVAPEQRWLPMLRHYDPDFLRTAVA  
 QVIGDRVPQWV LGMVGEIVSKVESFLPQPFTDEIRSIDSLNLSLADGILVNLAYEASAFCTSIVAQDSQ  
 GRIYHGRNLDYFP GKILRKL TADVQFIKNGQIAFTGTT FVGYVGLWTGQSPHKFTISGDERDKGWWWENM  
 IAALSLGHSPISWLIRKTLSESESFEEAAYTLAKTPLIADVYIYVGGTSPKEGVITRDRGGPADIWPLD  
 PLNGEWF RVETNYDHWKPAPKVDDRRTPAIKALNATGQAHLNLETLFQVLSLFPVYNNYIYTTVMSAAE  
 PDKYLT MIRNPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_025972

**ORF Size:** 1089 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\\_025972.1](#), [NM\\_025972.2](#), [NM\\_025972.3](#), [NM\\_025972.4](#), [NP\\_080248.1](#), [NP\\_080248.2](#)

**RefSeq Size:** 2424 bp

**RefSeq ORF:** 1089 bp

**Locus ID:** 67111

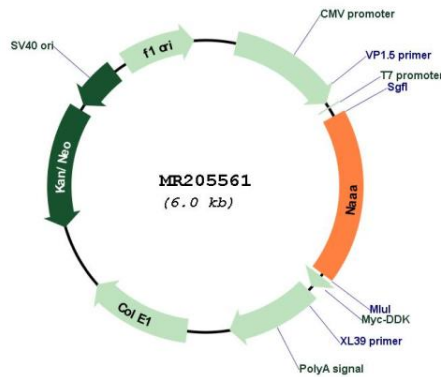
**UniProt ID:** [Q9D7V9](#)

**Cytogenetics:** 5 E2

**MW:** 40.1 kDa

**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 MR205561