

Product datasheet for **MC210488**

Naaa (NM_001163687) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Naaa (NM_001163687) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Naaa
Synonyms:	2210023K21Rik; 3830414F09Rik; Asahl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC210488 representing NM_001163687 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACCTAGCCACCAGGGCCGCTGCCATGGGGCACACCTGGCCCTGGCTCTGTTGCTGCTACTGT
CGCTGTCCGGTCCCTGGCTGTCCGCTGTCTCCCGGGACTCCGCCTCTTTCAACGTCAGTCTGGACGC
GGCCCCGAGCAGCGCTGGCTGCCGATGCTGCGGCACTACGACCCAGACTTCTTGCGCACCGCGGTGGC
CAGGTCATTGGGGTTCCCAAGTGGTACTCGGGATGGTCGGAGAAATTGTGTCGAAGGTGGAGAGCTTC
TGCCCTCAGCCCTTACCAGCAGATCCGCAGCATCTGTGACTCGTCAACCTCAGCTGGCTGACGGTAT
CTTGGTCAACCTGGCCTACGAGGCTTCCGATTCTGCACCAAGTATTGTGGCCCAAGACTCCCAAGGCCAT
ATTTACCACGGCCGAACCTGGACTATCCTTTGGAAAAATCTTACGAAAGCTGACAGCGAACGTGCAGT
TTATAAAGAAATGGGCAGATTGCATTCACTGGGACCACTTTGTTGGCTATGTAGGACTGTGGACAGGCCA
AAGTCCACACAAGTTTACAATTTCTGGTGATGAACGAGATAAAGGCTGGTGGTGGGAGAATATGATCGCG
GCGCTTCTCTGGGACACTCCCCATCAGCTGGCTTATCCGAAAACCTGAGTGAGTCAGAAAGCTTCG
AAGCAGTGTCTACAGCTGGCCAAGACTCCCCCATTGCTGACGTTTATTACATTGTTGGGGTACATC
GCCAAGGAGGGAGTAGTCATCACAGGGACCGAGGTGGCCCGCAGACATTTGGCCTCTTGACCCCTCG
AATGGAGAGTGGTCCGAGTTGAGACAAATTATGACCATTGGAAGCCTGCACCCAAGGTGGATGACCGAA
GAACACCAGCCATCAAAGCCCTAAATGCTACAGGGCAAGCTCACCTCAATCTGGAGACCCTCTCCAGGT
TTTATCCCTGTTTCTGTTTATAACAACACTACAAATTTATACTACAGTGATGAGCGCTGCCGAGCCCGAC
AAGTACCTGACCATGATCAGAAACCCGAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001163687



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Insert Size:	1083 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001163687.1, NP_001157159.1</u>
RefSeq Size:	2418 bp
RefSeq ORF:	1083 bp
Locus ID:	67111
UniProt ID:	<u>Q9D7V9</u>
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] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. This results in a shorter isoform (2), compared to isoform 1.