N-Acylethanolamine-Hydrolyzing Acid Amidase (NAAA) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	N-acylethanolamine-hydrolyzing acid amidase (Naaa), Recombinant Protein
Full Product Name	Recombinant Rat N-acylethanolamine-hydrolyzing acid amidase (Naaa)
Product Gene Name	Naaa recombinant protein
Product Synonym Gene Name	Naaa
Sequence	APGTPPLFNV SLDAAPELRW LPMLQHYDPD FVRAAVAQVI GDRVPQWILE MIGEIVQKVE SFLPQPFTSE IRGICDYLNL SLAEGVLVNL AYEASAFCTS IVAQDSQGRI YHGRNLDYPF GNALRKLTAD VQFVKNGQIV FTATTFVGYV GLWTGQSPHK FTISGDERDK GWWWENMIAA LSLGHSPISW LIRKTLTESE DFEAAVYTLA KTPLIADVYY IVGGTSPQEG VVITRDRGGP ADIWPLDPLN GAWFRVETNY DHWEPVPKRD DRRTPAIKAL NATGQAHLSL ETLFQVLSVF PVYNNYTIYT TVMSAAEPDK YMTMIRNPS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	40,313 Da
Sequence Positions	34-362, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q5KTC7
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Naaa recombinant protein	This gene encodes an N-acylethanolamine-hydrolyzing enzyme which is highly similar to acid ceramidase. Multiple transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of Naaa recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Naaa purchase	MBS1343715 is a recombinant protein targeting Naaa. Also known as Recombinant Rat N-acylethanolamine-hydrolyzing acid amidase (Naaa). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Naaa. It may not necessarily be applicable to this product.

NCBI GI #	58219537
NCBI GeneID	497009
NCBI Accession #	NP_001010967.1

UniProt Primary Accession #	Q5KTC7
UniProt Secondary Accession #	Q3KRD3
UniProt Related Accession #	Q5KTC7
GenBank Nucleotide #	NM_001010967.2
NCBI Official Full Name	N-acylethanolamine-hydrolyzing acid amidase
NCBI Official Synonym Full Names	N-acylethanolamine acid amidase
NCBI Official Symbol	Naaa
NCBI Official Synonym Symbols	Asahl
UniProt Protein Name	N-acylethanolamine-hydrolyzing acid amidase
UniProt Synonym Protein Names	N-acylsphingosine amidohydrolase-like; ASAH-like protein
Protein Family	5-nitroanthranilic acid aminohydrolase
UniProt Gene Name	Naaa
UniProt Synonym Gene Names	Asahl; ASAH-like protein
NCBI Protein Information	N-acylethanolamine-hydrolyzing acid amidase
UniProt Comments for Naaa	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.
Research Articles on Naaa	**1.** mRNA and protein levels and activity of NAAA in alveolar macrophages are much higher than those in the whole lung tissue.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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