N-Alpha-Acetyltransferase 10 (NAA10) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	N-alpha-acetyltransferase 10 (Naa10), Recombinant Protein
Full Product Name	Recombinant Mouse N-alpha-acetyltransferase 10 (Naa10)
Product Gene Name	Naa10 recombinant protein
Product Synonym Gene Name	Naa10
Sequence	MNIRNARPED LMNMQHCNLL CLPENYQMKY YFYHGLSWPQ LSYIAEDENG KIVGYVLAKM EEDPDDVPHG HITSLAVKRS HRRLGLAQKL MDQASRAMIE NFNAKYVSLH VRKSNRAALH LYSNTLNFQI SEVEPKYYAD GEDAYAMKRD LTQMADELRR HLELKEKGKH MVLAALENKA ENKGNVLLSS GEACREEKGL AAEDSGGDSK DLSEVSETTE STDVKDSSEA SDSAS
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	26,520 Da
Sequence Positions	1-235, 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 Q9QY36
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Naa10 recombinant protein	MBS1421369 is a recombinant protein targeting Naa10. Also known as Recombinant Mouse N-alpha-acetyltransferase 10 (Naa10). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Naa10 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Naa10. It may not necessarily be applicable to this product.

NCBI GI #	9845236
NCBI GeneID	56292
NCBI Accession #	NP_063923.1
UniProt Primary Accession #	Q9QY36
UniProt Related Accession #	Q9QY36

GenBank Nucleotide #	NM_019870.3
NCBI Official Full Name	N-alpha-acetyltransferase 10 isoform 1
NCBI Official Synonym Full Names	N(alpha)-acetyltransferase 10, NatA catalytic subunit
NCBI Official Symbol	Naa10
NCBI Official Synonym Symbols	Te2; Ard1; Ard1a; 2310039H09Rik
UniProt Protein Name	N-alpha-acetyltransferase 10
UniProt Synonym Protein Names	N-terminal acetyltransferase complex ARD1 subunit homolog A; NatA catalytic subunit Naa10
Protein Family	N-alpha-acetyltransferase
UniProt Gene Name	Naa10
UniProt Synonym Gene Names	Ard1; Ard1a; Te2
NCBI Protein Information	N-alpha-acetyltransferase 10
UniProt Comments for Naa10	Catalytic subunit of the N-terminal acetyltransferase A (NatA) complex which displays alpha (N-terminal) acetyltransferase activity (PubMed:12888564). Acetylates amino termini that are devoid of initiator methionine (). The alpha (N-terminal) acetyltransferase activity may be important for vascular, hematopoietic and neuronal growth and development (). Without NAA15, displays epsilon (internal) acetyltransferase activity towards HIF1A, thereby promoting its degradation (PubMed:12464182). Represses MYLK kinase activity by acetylation, and thus represses tumor cell migration (). Acetylates, and stabilizes TSC2, thereby repressing mTOR activity and suppressing cancer development (). Acetylates HSPA1A and HSPA1B at 'Lys-77' which enhances its chaperone activity and leads to preferential binding to co-chaperone HOPX (). Acts as a negative regulator of sister chromatid cohesion during mitosis ().
Research Articles on Naa10	**1.** The lethal Ogden syndrome-associated mutation of Naa10p disrupts its binding to the imprinting control region of H19 and Dnmt1 recruitment.
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