

NAA10 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21992c**Specification**

NAA10 Blocking Peptide (Center) - Product Information

Primary Accession [P41227](#)
Other Accession [Q2KI14](#), [Q9QY36](#)

NAA10 Blocking Peptide (Center) - Additional Information

Gene ID 8260

Other Names

N-alpha-acetyltransferase 10, 2.3.1.-, 2.3.1.88, N-terminal acetyltransferase complex ARD1 subunit homolog A, NatA catalytic subunit Naa10, NAA10, ARD1, ARD1A, TE2

Target/Specificity

The synthetic peptide sequence is selected from aa 155-167 of HUMAN NAA10

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NAA10 Blocking Peptide (Center) - Protein Information

Name NAA10

Synonyms ARD1, ARD1A, TE2

Function

Catalytic subunit of N-terminal acetyltransferase complexes which display alpha (N-terminal) acetyltransferase activity (PubMed:15496142, PubMed:19826488, PubMed:19420222, PubMed:20145209, PubMed:27708256, PubMed:25489052, PubMed:29754825, PubMed:20154145, PubMed:32042062). Acetylates amino termini that are devoid of initiator methionine

(PubMed:19420222). 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 (PubMed:19826488). Acetylates, and stabilizes TSC2, thereby repressing mTOR activity and suppressing cancer development (PubMed:20145209). Acetylates HSPA1A and HSPA1B at 'Lys-77' which enhances its chaperone activity and leads to preferential binding to co-chaperone HOPX (PubMed:27708256). Acetylates HIST1H4A (PubMed:29754825). Acts as a negative regulator of sister chromatid cohesion during mitosis (PubMed:27422821).

Cellular Location

Cytoplasm. Nucleus. Note=Also present in the free cytosolic and cytoskeleton-bound polysomes.

Tissue Location

Ubiquitous..

NAA10 Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

NAA10 Blocking Peptide (Center) - Images

NAA10 Blocking Peptide (Center) - Background

Catalytic subunit of the N-terminal acetyltransferase A (NatA) complex which displays alpha (N-terminal) acetyltransferase activity. The NAT 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. Represses MYLK kinase activity by acetylation, and thus represses tumor cell migration. Acetylates, and stabilizes TSC2, thereby repressing mTOR activity and suppressing cancer development.

NAA10 Blocking Peptide (Center) - References

Tribioli C.,et al.Hum. Mol. Genet. 3:1061-1068(1994).
Arnesen T.,et al.Biochem. J. 386:433-443(2005).
Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Jeong J.-W.,et al.Cell 111:709-720(2002).