

Product datasheet for TP502636

Naa10 (NM_001177965) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse N(alpha)-acetyltransferase 10, NatA catalytic subunit (Naa10), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR202636 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MNIRNARPEDLMNMQHCNLLCLPENYQMKYYFYHGLSWPQLSYIAEDENKIVGYVLAKMEEDPDDVPHG
HITSLAVKRSHRRLGLAQKLMQASRAMIENFNAKYVSLHVRKSNRAALHLYSNTLNFQISEVEPKYYAD
GEDAYAMKRDLTQMADEPASGPGSSCLLSGDLGPVFSFHPLPSGLLAAEAAPGAEGKGQAHGSGGLGEQS
GEQRQRAFELRRGLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	24.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001171436
Locus ID:	56292
UniProt ID:	Q3V4D5
RefSeq Size:	1056



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Cytogenetics: X A7.3

RefSeq ORF: 678

Synonyms: 2310039H09Rik; Ard1; Ard1a; Te2

Summary: 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 (By similarity). The alpha (N-terminal) acetyltransferase activity may be important for vascular, hematopoietic and neuronal growth and development (By similarity). 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 (By similarity). Acetylates, and stabilizes TSC2, thereby repressing mTOR activity and suppressing cancer development (By similarity). Acetylates HSPA1A and HSPA1B at 'Lys-77' which enhances its chaperone activity and leads to preferential binding to co-chaperone HOPX (By similarity). Acts as a negative regulator of sister chromatid cohesion during mitosis (By similarity).[UniProtKB/Swiss-Prot Function]