

Recombinant Human NAT10 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NAT10-1588H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NAT10 MS Standard C13 and N15-labeled recombinant protein (NP_078938) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is an RNA cytidine acetyltransferase involved in histone acetylation, tRNA acetylation, the biosynthesis of 18S rRNA, and the enhancement of nuclear architecture and chromatin organization.
Molecular Mass	115.7 kDa
AA Sequence	MHRKKVDNRIRILIENGVAERQSRSLFVVVGDRGKDQVVILHHMLSKATVKARPSVLW CYKKELGFSSHRKKRMRQLQKKIKNGTLNIKQDDPFELFIAATNIRYCYYNETHKILG NTFGMCVLQDFEALTPNLLARTVETVEGGGLVILLRTMNSLKQLYTVTMDVHSRYR TEAHQDVVGRFNERFILSLASCKKCLVIDDQLNILPISSHVATMEALPPQTPDES LGP SDLELRELKESLQDTQPVGVLVDCCKTLDQAKAVLKFIGIESEKTLRSTVALTAARGR GKSAALGLAIAGAVAFGYSNIFVTSPSPDNLHTLFEFVFKGFDALQYQEHL DYEIIQSL NPEFNKAVIRVNVFREHRQTIQYIHPADAVKLGQAELVVIDEAAAIP LPLVKSLLGPYL VFMASTINGYEGTGRSLSLKLIQQLRQQAQSQVSTTAENKTTTTARLASARTLHEV SLQESIRYAPGDAVEKWLNDLLCLDCLNITRIVSGCPLPEACELYVNRDTLFCYHKA SEVFLQRLMALYVASHYKNSPNDLQMLSDAPAHHLFCLLPVPPTQNALPEVLAVIQ

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VCLEGEISRQSI LNSLSRGKKASGDLIPWTVSEQFQDPDFGGLSGGRVVRIAVHPDY
 QGMGYGSRALQLLQMYEGRFPCLEEKVLETPQEIHVSSEAVSLLEEVITPRKDLP
 PLLKLNERPAERLDYLGVSYGLTPRLLKFWKRAGFVPVYLRQTPNDLTGEHSCIML
 KTLTDEDEADQGGWLA AFWKDFRRRFLALLSYQFSTFSPSLALNIIQNRNMGKPAQ
 PALSREELEALFLPYDLKRLEMYSRNMVDYHLIMDMIPASRIYFLNQLGDLALSAAQ
 SALLGIGLQHKSV DQLEKEIELPSGQLMGLFNRIIRKVVKLFNEVQEKAIEEQMVAAK
 DVVMEPTMKTLSDDDLDEAAKEFQEKKHKEVGKLKSM DLSEYIIRGDDEEWNEVLNK
 AGPNASIISLKS DKKRKLEAKQEPKQSKKLKNRETKNKKDMKLRKKTRTRPLEQKLI
 SEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NAT10 N-acetyltransferase 10 [Homo sapiens (human)]

Official Symbol NAT10

Synonyms NAT10; N-acetyltransferase 10 (GCN5-related); ALP; Kre33; NET43; RNA cytidine acetyltransferase; 18S rRNA cytosine acetyltransferase; N-acetyltransferase 10 (GCN5-related); N-acetyltransferase-like protein; EC 2.3.1.-

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Gene ID	55226
mRNA Refseq	NM_024662
Protein Refseq	NP_078938
MIM	609221
UniProt ID	Q9H0A0
SDS-PAGE	