

AR09163PU-N

Recombinant human NAT6 (aa 1-308), His-tagged

Alternate names:

FUS-, N-acetyltransferase 6, Protein fusion-2

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

N-acetyltransferase, also known as FUS2 (NAT6), is an enzyme that catalyzes the transfer of acetyl groups from acetyl-CoA to acrylamines. This enzyme is physically localized in the cytoplasm and its activity has been documented by its feasibility to acetylate the N-terminus of proteins using a ping-pong-like mechanism and by its substrate specificity. Since the Fus-2 gene maps to the chromosomal region 3p21.3, which contains at least one tumor suppressor gene, the N-acetyltransferase functions of Fus-2 may be relevant to its potential role in cancer.

Uniprot ID:

[Q93015](#)

NCBI:

[NP_036323](#)

GeneID:

[24142](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Mes buffer (pH 5.0) containing 150mM NaCl, 30% glycerol

Description:

Recombinant human N-acetyltransferase 6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MQELTLSPGP AKLTPTLDPT HRMELILSTS PAELTLDPAC
QPKLPLDSTC QPEMTFNPGP TELTLDPEHQ PEETPAPSLA ELTLEPVHRR PELLDACADL
INDQWPRSRT SRLHSLGQSS DAFPLCLMLL SPHPTLEAAP VVVGHARLSR VLNQPQSLLV
ETVVVARALR GRGFGRRLME GLEVFARARG FRKLHLTTTHD QVHFYTHLGY QLGEVPVGLV
FTSRRLPATL LNAFPTAPSP RPPRKAPNLT AQAAPRGPKG PPLPPPPPLP ECLTISPPVP
SGPPSKSLLE TQYQNVGRGP IFWMEKDI

Molecular weight: 35.9 kDa (328 aa), confirmed by MALDI-TOF. Molecular weight on SDS-PAGE will appear higher.

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Zegerman P., et al. (2000). Oncogene. 19(1):161-3.
2. Gatphayak K., et al. (2004). Gene. 337:105-11.

Pictures:

Recombinant human NAT6, 1-308 aa, His-tagged: 15% SDS-PAGE (3 µg)

