

NAT6 Human

Description: Recombinant Human NAT6 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 328 amino acids (1-308 a.a.) and having a molecular mass of 35.9 kDa. NAT6 is fused to 20 amino acid His Tag at N-terminus and purified by conventional chromatography techniques.

Catalog #: ENPS-417

For research use only.

Synonyms: Protein fusion-2, FUS2, FUS-2, NAT6, N-acetyltransferase 6, Protein fus-2.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MQELTSPGP AKLTPTLDPT
HRMELILSTS PAELTDPAC QPKLPLDSTC QPEMTFNP GP TELTDPEHQ PEETPAPSLA
ELTLEPVHRR PELLDACADL INDQWPRSRT SRLHSLGQSS DAFPLCLMLL SPHPTLEAAP
VVVGHARLSR VLNQPQSLLV ETVVVARALR GRGFGRR LME GLEVFARARG FRKLHLTTHD
QVHFYTHLGY QL

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The NAT6 protein solution contains 20mM Tris-HCl, pH-8, 100mM NaCl and 20% Glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

NAT6 is an enzyme that catalyzes the transfer of acetyl groups from acetyl-CoA to acrylamines. NAT6 is located mainly in the cytoplasm and its activity has been recognized by its feasibility to acetylate the N-terminus of proteins using a ping-pong-like mechanism and by its substrate specificity. Given that the NAT6 gene maps to the chromosomal region 3p21.3, which includes at least one tumor suppressor gene, the function of NAT6 plays an important role in cancer.

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