
Product Data Sheet

Product Name: NAT6 Human
 Cat. No.: GP21979
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protein fusion-2; FUS2; FUS-2; NAT6; N-acetyltransferase 6; Protein fus-2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MQELTLSPGP AKLTPTLDPT HRMELILSTS PAELTLDPAC QPKLPLDSTC QPEMTFNPGP TELTLDPEHQ PEETPAPSLA ELTLEPVHRR PELLDACADL INDQWPRSRT SRLHSLGQSS DAFPLCLMLL SPHPTLEAAP VVVGHARLSR VLNQPQSLLV ETVVVARALR GRGFGRRRLME GLEVFARARG FRKLHLTTHD QVHFYTHLGY QLGEVQGLV FTSRRLPATL LNAFPTAPSP RPPRKAPNLT AQAAPRGPKG PPLPPPPLP ECLTISPPVP SGPPSKSLE TQYQNRGRP IFWMEKDI.		
Formulation	The NAT6 protein solution contains 20mM Tris-HCl, pH-8, 100mM NaCl and 20% Glycerol.		

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.

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.

Background

Recombinant Human NAT6 produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 328 amino acids (1-308 a.a.) and having a molecular mass of 35.9 kDa. NAT6 is fused to a 20 amino acid His Tag at N-terminus and purified by conventional chromatography techniques.

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