
Product Data Sheet

Product Name: NAA50 Human
 Cat. No.: GP21969
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	N-alpha-acetyltransferase 50; N-acetyltransferase 13; N-acetyltransferase 5; hNAT5; N-acetyltransferase san homolog; hSAN; NatE catalytic subunit; NAA50; MAK3; NAT13; NAT5; SAN.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMKGSRI ELGDVTPHNI KQLKRLNQVI FVSYNDKFY KDVLEVGELA KLAYFNDAIV GAVCCRVDHS QNQKRLYIMT LGCLAPYRRL GIGTKMLNHV LNICEKDGTF DNIYLHVQIS NESAI DFYRK FGFEI IETKK NYKRIEPAD AHVLQKNLKV PSGQNADVQK TDN.		
Formulation	The NAA50 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.		

Introduction

N-alpha-acetyltransferase 50 (NAA50) consists of 169 amino acid cytoplasmic protein belonging to the acetyltransferase family and GNAT subfamily. NAA50 is a likely catalytic component of the ARD1A-NARG1 complex which displays alpha acetyltransferase activity. NAA50 has also been shown to interact with MAK10 and is encoded by a gene that maps to human chromosome 3q13.2.

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

NAA50 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 193 amino acids (1-169) and having a molecular mass of 21.9kDa. NAA50 is fused to a 24 amino acid His-tag at N-terminus & purified by

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

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proprietary chromatographic techniques.

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