
Product Data Sheet

Product Name: NIPSNAP1 Human
 Cat. No.: GP24044
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Nipsnap Homolog 1 (C. Elegans); 4 Nitrophenylphosphatase Domain And Non-Neuronal SNAP25-Like 1; NIPSNAP; C. Elegans; Homolog; Protein NipSnap Homolog 1; NipSnap1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAPRLCS ISVTARRLLG GPGPRAGDVA SAAAARFYK DNEGSWFRSL FVHKVDPRKD AHSTLLSKKE TSNLYKIQFH NVKPEYLDAY NSLTEAVLPK LHLDEDYPCS LVGNWNTWYG EQDQAVHLWR FSGGYPALMD CMNKLKNNKE YLEFRRERSQ		
Formulation	NIPSNAP1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.		

Introduction

NipsnapHomolog 1 (NIPSNAP1) belongs to the NipSnap family. NIPSNAP1 may take part in vesicular transport. A similar protein in mice inhibits the calcium channel TRPV6, and it is localized to the inner mitochondrial membrane as well, where it may be involved in mitochondrial DNA maintenance. A pseudogene of NIPSNAP1 is located on the short arm of chromosome 17. Among the diseases associated with NIPSNAP1 are maple syrup urine disease, and phenylketonuria.

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). Please avoid freeze thaw cycles.

Background

NIPSNAP1 Human Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 307 amino acids (1-284a.a) and having a molecular mass

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

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of 35.7kDa. NIPSNAP1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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