

Product datasheet

Recombinant Human NIPSNAP1 protein (denatured)  
ab174557

1 Image

Description	
Product name	Recombinant Human NIPSNAP1 protein (denatured)
Purity	> 85 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>Q9BPW8</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMAPRLCSISVTARRLL GGPGPRAGDVA SAAAARFYSKDNEGSWFRSLFVHKVDPRKDAHSTLLSKK ETSNLYKIQFH NVKPEYLDAYNSLTEAVLPKLHLDDEDYPCSLVGNWNTWY GEQDQAVHLWR FSGGYPALMDCMNKLKNNKEYLEFRRERSQMLLSRRNQL LLEFSFWNEPQ PRMGPNYELRTYKLKPGTMIEWGNNWARAIKYRQENQEA VGGFFSQIGE LYVVHHLWAYKDLQSREETRNAAWRKRGWDENVYYTVPL VRHMESRIMIP LKISPLQ
Predicted molecular weight	36 kDa including tags
Amino acids	1 to 284
Tags	His tag N-Terminus
Description	Recombinant Human NIPSNAP1 protein

Specifications

Our **Abpromise guarantee** covers the use of **ab174557** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

**Form** Liquid

## Preparation and Storage

**Stability and Storage** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

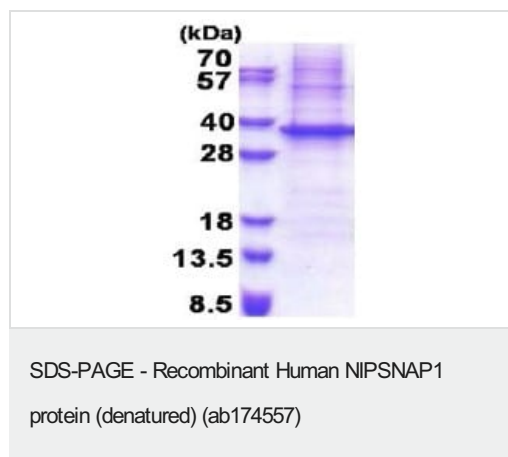
Constituents: 0.32% Tris HCl, 2.4% Urea, 10% Glycerol (glycerin, glycerine)

## General Info

**Relevance** NIPSNAP is a member of an evolutionarily well conserved gene family and has a strong sequence similarity to the central portion of a protein encoded by *C. elegans* chromosome III between a 4-nitrophenylphosphatase (NIP) domain and non-neuronal SNAP25-like protein. Recent studies have indicated that NIPSNAP is involved in the regulation of the Ca<sup>2+</sup>-selective transient receptor potential vanilloid channel 6 (TRPV6). NIPSNAP1 associates with TRPV6 at the plasma membrane and inhibits TRPV6 currents. Other studies show that NIPSNAP's expression is reduced in the phenylketonuria (PKU) mouse brain, suggesting that NIPSNAP may play a role in memory.

**Cellular localization** Mitochondrial

## Images



15% SDS-PAGE analysis of ab174557 (3 µg).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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