Datasheet for ABIN1097553

NAPA Protein (full length) (His tag)

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Overview

Quantity:	50 µg
Target:	NAPA
Protein Characteristics:	full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NAPA protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human α-Soluble NSF Attachment Protein/SNAP-α/NAPA (N-6His)
Sequence:	MGSSHHHHHH SSGLVPRGSH MDNSGKEAEA MALLAEAERK VKNSQSFFSG LFGGSSKIEE ACEIYARAAN MFKMAKNWSA AGNAFCQAAQ LHLQLQSKHD AATCFVDAGN AFKKADPQEA INCLMRAIEI YTDMGRFTIA AKHHISIAEI YETELVDIEK AIAHYEQSAD YYKGEESNSS ANKCLLKVAG YAALLEQYQK AIDIYEQVGT NAMDSPLLKY SAKDYFFKAA LCHFCIDMLN AKLAVQKYEE LFPAFSDSRE CKLMKKLLEA HEEQNVDSYT ESVKEYDSIS RLDQWLTTML LRIKKTIQGD EEDLR
Characteristics:	Recombinant Human alpha-Soluble NSF Attachment Protein/SNAP-alpha produced by E.coli expression system.Target protein is expressed with sequence (Met1-Arg295) of Human SNAPalpha (Uniprot #P54920) fused with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	NAPA
Alternative Name:	SNAPalpha (NAPA Products)
Sub Type:	Fusionprotein
Background:	Alpha-Soluble NSF Attachment Protein (SNAP-alpha) is a member of the SNAP (Soluble NSF Attachment Protein) family. SNAP-alpha interacts with PRKCABP and disrupts the interaction between GRIA2 and PRKCABP, leading to the internalization of GRIA2. SNAP-alpha is required for vesicular transport between the endoplasmic reticulum and the Golgi apparatus. SNAP-alpha is in charge of the binding of NSF and therefore the formation of a 20S fusion particle. Alternative Names: Alpha-Soluble NSF Attachment Protein, SNAP-Alpha, N-Ethylmaleimide-Sensitive Factor Attachment Protein Alpha, NAPA, SNAPA
Molecular Weight:	35.4 kDa
UniProt:	P54920
Pathways:	Synaptic Vesicle Exocytosis, Asymmetric Protein Localization

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Handling

Expiry Date:	3 months