

## Recombinant Human NAPA, His-tagged

Cat. No. NAPA-2815H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant human NAPA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. MW =35.3 kDa(315aa), confirmed by MALDI-TOF.

**Species** Human

**Source** E.coli

**Description** NAPA is one of the SNAP (Soluble NSF Attachment Protein) family. SNAPs, acting in concert with SNAREs (SNAP receptors) and the N-ethylmaleimide-sensitive fusion protein (NSF), are required for the fusion of transport vesicles to their target membranes in synaptic transmission, intra-Golgi transport, endosome-to-endosome fusion and transcytotic vesicles-to-plasma membrane transport. This protein mediates the binding of NSF and thus the formation of a 20S fusion particle. It is expressed in all mammalian tissues.

**Sequences Of Amino Acids**

MGSSHHHHHH SGLVPRGSH MDNSGKEAEA MALLAEAERK VKNSQSFFSG  
 LFGSSKIEE ACEIYARAAN MFKMAKNWSA AGNAFCQAAQ LHLQLQSKHD  
 AATCFVDAGN AFKKADPQEA INCLMRAIEI YTDMGRFTIA AKHHISIAEI  
 YETELVDIEK AIAHYEQSAD YYKGEESSNS ANKCLLKVAG YAALLEQYQK  
 AIDIYEQVGT NAMDSPLLKY SAKDYFFKAA LCHFCDMLN AKLAVQKYEE  
 LFPAFSDSRE CKLMKKLLEA HEEQNVDSTY ESVKEYDSIS RLDQWLTTML  
 LRIKTIQGD EEDLR

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<b>Purity</b>	> 95% by SDS - PAGE.
<b>Form</b>	Liquid. In 20 mM Tris-HCl Buffer (pH 7.5) containing 10% Glycerol.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay).
<b>Storage</b>	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

<b>Gene Name</b>	NAPA N-ethylmaleimide-sensitive factor attachment protein, alpha [ Homo sapiens ]
<b>Synonyms</b>	NAPA; N-ethylmaleimide-sensitive factor attachment protein, alpha; SNAPA; alpha-soluble NSF attachment protein; SNAP-alpha; alpha-SNAP; alpha SNAP; N-ethylmaleimide-sensitive factor attachment protein alpha
<b>Gene ID</b>	8775
<b>mRNA Refseq</b>	NM_003827
<b>Protein Refseq</b>	NP_003818
<b>MIM</b>	603215
<b>UniProt ID</b>	P54920
<b>Chromosome Location</b>	19q13.33
<b>Pathway</b>	Membrane Trafficking

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**Function**

protein binding; syntaxin binding

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