

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 SSGLVPRGSH MDNSGKEAEA MALLAEAERK VKNSQSFFSG LFGGSSKIEE ACEIYARAAN MFKMAKNWSA AGNAFCQAAQ LHLQLQSKHD AATCFVDAGN AFKKADPQEA INCLMRAIEI YTDMGRFTIA AKHHISIAEI YETELVDIEK AIAHYEQSAD YYKGEESSNS ANKCLLKVAG YAALLEQYQK AIDIYEQVGT NAMDSPLLKY SAKDYFFKAA LCHFCIDMLN AKLAVQKYEE LFPAFSDSRE CKLMKKLLEA HEEQNVDSTY ESVKEYDSIS RLDQWLTTML LRIKKTIQGD EEDLR

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Purity	> 95% by SDS - PAGE.
Form	Liquid. In 20 mM Tris-HCl Buffer (pH 7.5) containing 10% Glycerol.
Concentration	1 mg/ml (determined by Bradford assay).
Storage	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

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

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Function	protein binding; syntaxin binding
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