Recombinant human NAPA protein

Catalog Number: ATGP0708

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-295aa

UniProt No.
P54920

NCBI Accession No.
NP_003818

Alternative Names
N-ethylmaleimide-sensitive factor attachment protein alpha, NSF attachment protein alpha, SNAPA, SNAP-alpha

PRODUCT SPECIFICATION

Molecular Weight
35.3 kDa (315aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human NAPA protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

chromatography.

Amino acid Sequence

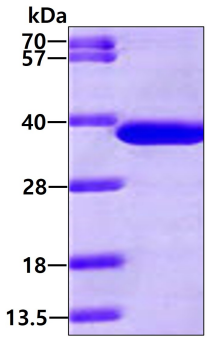
<MGSSHHHHHH SSGLVPRGSH> MDNSGKEAEA MALLAEAERK VKNSQSFFSG LFGGSSKIEE ACEIYARAAN MFKMAKNWSA AGNAFCQAAQ LHLQLQSKHD AATCFVDAGN AFKKADPQEA INCLMRAIEI YTDMGRFTIA AKHHISIAEI YETELVDIEK AIAHYEQSAD YYKGEESNSS ANKCLLKVAG YAALLEQYQK AIDIYEQVGT NAMDSPLLKY SAKDYFFKAA LCHFCIDMLN AKLAVQKYEE LFPAFSDSRE CKLMKKLLEA HEEQNVDSYT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

General References

Thummel CS., et al. (2010) Dev Dyn. 239(3):954-64
Lee JS., et al (2002) J Basic Microbiol. 42(4):238-45.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.