Recombinant Human N-Ethylmaleimide-Sensitive Factor Attachment Protein, Gamma, His-tagged

Cat. No. NAPG-6876H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NAPG protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography. MW: 37.3 kDa.
Species	Human
Source	E.coli
ProteinLength	1-312aa
Description	NAPG is a cytoplasmic protein that binds to a membrane receptor complex composed of VAMP, SNAP25 and syntaxin. It mediates the membrane binding of NSF, which is essential for membrane fusion reactions. An additional protein designated synaptophysin may regulate exocytosis by competing with SNAP25 and syntaxins for VAMP binding.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.1M NaCl,1mM DTT.
Molecular Mass	37.3 kDa (336aa), confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMAAQKI NEGLEHLAKA EKYLKTGFLK WKPDYDSAAS EYGKAAVAFK NAKQFEQAKD ACLREAVAHE NNRALFHAAK AYEQAGMMLK EMQKLPEAVQ LIEKASMMYL ENGTPDTAAM ALERAGKLIE NVDPEKAVQL YQQTANVFEN EERLRQAVEL LGKASRLLVR GRRFDEAALS IQKEKNIYKE IENYPTCYKK TIAQVLVHLH RNDYVAAERC VRESYSIPGF

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	NGSEDCAALE QLLEGYDQQD QDQVSDVCNS PLFKYMDNDY AKLGLSLVVP GGGIKKKSPA TPQAKPDGVT ATAADEEEDE YSGGLC
Purity	>95% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	1.0 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	NAPG N-ethylmaleimide-sensitive factor attachment protein, gamma [Homo sapiens]
Official Symbol	NAPG
Synonyms	NAPG; N-ethylmaleimide-sensitive factor attachment protein, gamma; gamma-soluble NSF attachment protein; gamma SNAP; SNAP-gamma; soluble NSF attachment protein; GAMMASNAP;
Gene ID	8774
mRNA Refseq	NM_003826
Protein Refseq	NP_003817
MIM	603216

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UniProt ID	Q99747
Chromosome Location	18p11.21
Function	protein binding;

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