

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 MGSMAAQKI NEGLEHLAKA EKYLKTGFLK WKPDYDSAAS EYGKAAVAFK NAKQFEQAKD ACLREAVAHE NNRALFHAAK AYEQAGMMLK EMQKLPEAVQ LIEKASMMYL ENGTPDTAAM ALERAGKLIE NVDPEKAVQL YQQTANVFEN EERLRQAVEL LGKASRLLVR GRRFDEAALS IQKEKNYKE IENYPTCYKK TIAQVLVHLH RNDYVAAERC VRESYSIPGF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA