

AR50053PU-N

Human NAPG (1-312, His-tag) - Purified

Alternate names:

Gamma-soluble NSF attachment protein, SNAPG

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

NAPG, also known as gamma-SNAP, 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.

Uniprot ID:

[Q99747](#)

NCBI:

[NP_003817](#)

GeneID:

[8774](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.1M NaCl, 1mM DTT

Description:

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

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMAAQKI NEGLEHLAKA EKYLKTGFLK WKPDYDSAAS
EYGKAAVAFK NAKQFEQAKD ACLREAVAHE NNRALFHA AK AYEQAGMMLK EMQKLPEAVQ
LIEKASMMYL ENGTPTAAM ALERAGKLIE NVDPEKAVQL YQQTANVFEN EERLRQAVEL
LGKASRLVLR GRRFDEAALS IQKEKNIYKE IENYPTCYKK TIAQVLVHLH RNDYVAAERC
VRESYSIPGF NGSEDCAALE QLLEGYDQQD QDQVSDVCNS PLFKYMDNDY AKLGLSLVVP
GGGIKKKSPA TPQAKPDGVT ATADEEEDE YSGGLC

Molecular weight: 37.3 kDa (336aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

Bennett M.K. et al. (1993) Cell 74: 863-873. McMahon H.T. et al. (1995) J. Biol. Chem. 270: 2213-2217.

Pictures:

