

Human NAPG / Gamma SNAP Protein (His Tag)

Catalog Number: 14709-H07E



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

GAMMASNAP

Protein Construction:

A DNA sequence encoding the human NAPG (AAH01889.1) (Met1-Cys312) was expressed with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 85 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: His

Molecular Mass:

The recombinant human NAPG consists of 327 amino acids and predicts a molecular mass of 36.6 KDa. It migrates as an approximately 37 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 50mM Tris, 100mM NaCl, 10% Glycerol, 1mM DTT, pH 8.0.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

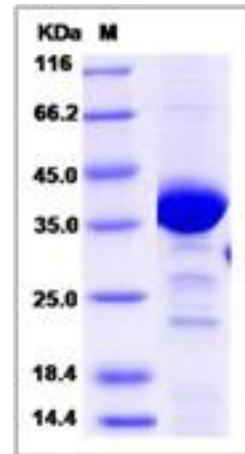
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

NAPG, also known as gamma SNAP, belongs to the SNAP family. SNAPs enable N-ethyl-maleimide-sensitive fusion protein (NSF) to bind to target membranes. NSF and SNAPs appear to be general components of the intracellular membrane fusion apparatus, and their action at specific sites of fusion must be controlled by SNAP receptors particular to the membranes being fused. NAPG mediates platelet exocytosis and controls the membrane fusion events of this process. It is required for vesicular transport between the endoplasmic reticulum and the Golgi apparatus.

References

1.Lemons PP. et al., 1997, J Cell Biol. 117 (3): 531-8. 2.Chen D. et al., 2001, J Biol Chem. 276 (16): 13127-35. 3.Whiteheart SW. et al., 1992, J Biol Chem. 267 (17): 12239-43.

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