Recombinant human Syntaphilin protein

Catalog Number: SNP0902

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-424aa

UniProt No.
O15079

NCBI Accession No.
NP_055538.2

Alternative Names
SNPH, Syntaphilin, KIAA0374.

PRODUCT SPECIFICATION

Molecular Weight
48.2 KDa (444aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10 % glycerol

Purity
> 85% 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
Syntaphilin is a neuron-specific protein initially characterized as a binding partner of syntaxin-1. The protein competes with SNAP-25 for binding to syntaxin-1 and prevents the formation of the SNARE core complex, thereby controlling free syntaxin-1 availability for the assembly of the SNARE complex and potentially regulating synaptic vesicle exocytosis. Recombinant Syntaphilin protein was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

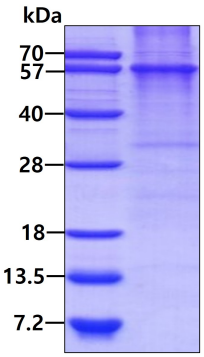
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General References

Lao G., et al. Neuron. 2000 25(1), 191-201.
Boczan., et al. J Biol Chem. 2004 279(18), 18911-9.

DATA

SDS-PAGE



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