

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.

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Amino acid Sequence

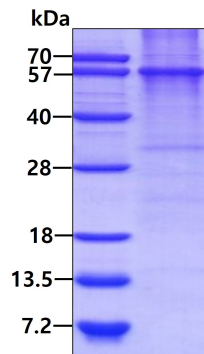
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RSSTYTKLSD PAVCGDRQPG DPSSGSAEDG AD SGFAAADD TLSRTDALEA SLLSSGVDC GTEETSLHSS FGLGPRFPAS
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DELEAPEPIT RGPTPQRPGA NPNPGQSVSV VCPMEEEEEEA AVAEKEPKSY WSRH

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.