

Recombinant human NUDT16L1/SDOS protein

Catalog Number: ATGP0934

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-211aa

UniProt No.

Q9BRJ7

NCBI Accession No.

NP_115725

Alternative Names

Nudix hydrolase 16 like 1, Tudor-interacting repair regulator protein, NUDT16-like protein 1, Protein syndesmos, Nudix-type motif 16-like 1, SDOS, TIRR

PRODUCT SPECIFICATION

Molecular Weight

25.5 kDa (231aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

Purity

> 95% 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

NuDT16L1, also known Syndesmos, is a cytoplasmic protein that interacts specifically with the cytoplasmic domain of syndecan-4, and it co-localizes with syndecan-4 in focal contacts. This protein interacts with the focal adhesion adaptor protein paxillin. The binding of syndesmos to paxillin is direct, and these interactions are triggered by the activation of protein kinase C. Recombinant human NuDT16L1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH> MSTAAVPELK QISRVEAMRL GPGWSHSCHA MLYAANPGQL FGRIPMRFSV
LMQMRFDGLL GFPGGFVDRR FWSLEDGLNR VLGLGLGCLR LTEADYLSSH LTEGPHRVVA HLYARQLTLE QLHAVEISAV
HSRDHGLEVEL GLVRVPLYTQ KDRVGGFPNF LSNAFVSTAK CQLLFALKVL NMMPEEKLVE ALAAATEKQK KALEKLLPAS S

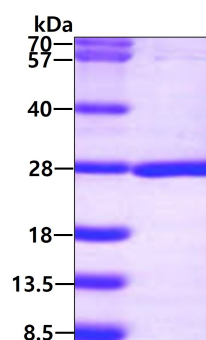
General References

Denhez F. et al. (2002) J. Biol. Chem. 277:12270-4.

Baciu PC. et al. (2000) J Cell Sci. 113:315-24.

DATA

SDS-PAGE



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