Recombinant human NUDT4/DIPP2 protein

Catalog Number: ATGP2100

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-180aa

UniProt No.
Q9NZJ9

NCBI Accession No.
NP_061967.3

Alternative Names
Nudix hydrolase 4, Diadenosine 5',5'''-P1,P6-hexaphosphate hydrolase 2, Nucleoside diphosphate-linked moiety X motif 4, Nudix motif 4, Diphosphoinositol polyphosphate phosphohydrolase 2, DIPP2, DIPP2alpha, DIPP2beta, HDCMB47P

PRODUCT SPECIFICATION

Molecular Weight
22.7 kDa (203aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

Purity
> 90% 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
NUDT4 regulates the turnover of diphosphoinositol polyphosphates. The turnover of these high-energy diphosphoinositol polyphosphates represents a molecular switching activity with important regulatory consequences. Molecular switching by diphosphoinositol polyphosphates may contribute to regulating intracellular trafficking. Recombinant human NUDT4 protein, fused to His-tag at N-terminus, was expressed in E.

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coli and purified by using conventional chromatography.

Amino acid Sequence

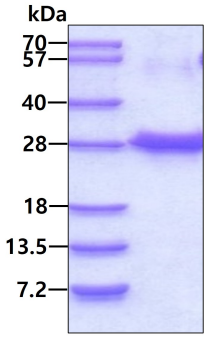
<MGSSHHHHHH SSGLVPRGSH MGS>MMKFKPN QTRTYDREGF KKRAACLCFR SEQEDEVLLV SSSRYPDQWI VPGGGMEPEE EPGGAAVREV YEEAGVKGKL GRLLGIFENQ DRKHRTYVYV LTVTEILEDW EDSVNIGRKR EWFKVEDAIK VLQCHKPVHA EYLEKLKLGC SPANGNSTVP SLPDNNALFV TAAQTSGLPS SVR

General References

Caffrey JJ. et al. (2000) J Biol Chem. 275:12730-12736
Caffrey JJ. et al. (2001) Gene. 269 :53-60.

DATA

SDS-PAGE



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