Recombinant Human nudix (nucleoside diphosphate linked moiety X)-type motif 4, His-tagged

Cat. No. NUDT4-585H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NUDT4, 1-180aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-180 a.a.
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.coli and purified by using conventional chromatography.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl
Molecular Mass	22.7kDa (203aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMKFKPN QTRTYDREGF KKRAACLCFR SEQEDEVLLV SSSRYPDQWI VPGGGMEPEE EPGGAAVREV YEEAGVKGKL GRLLGIFENQ DRKHRTYVYV LTVTEILEDW EDSVNIGRKR EWFKVEDAIK VLQCHKPVHA EYLEKLKLGC SPANGNSTVP SLPDNNALFV TAAQTSGLPS SVR

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Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	NUDT4 nudix (nucleoside diphosphate linked moiety X)-type motif 4 [Homo sapiens]
Official Symbol	NUDT4
Synonyms	NUDT4; nudix (nucleoside diphosphate linked moiety X)-type motif 4; diphosphoinositol polyphosphate phosphohydrolase 2; diphosphoinositol polyphosphate phosphohydrolase type 2; DIPP2; DIPP2alpha; DIPP2beta; HDCMB47P; KIAA0487; DIPP-2; diadenosine 5,5-P1,P6-hexaphosphate hydrolase 2; DKFZp686I1281;
Gene ID	11163
mRNA Refseq	NM_019094
Protein Refseq	NP_061967
MIM	609229
UniProt ID	Q9NZJ9
Chromosome Location	12q21

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Function	diphosphoinositol-polyphosphate diphosphatase activity; hydrolase activity; inositol diphosphate tetrakisphosphate diphosphatase activity; inositol-1,5-bisdiphosphate-2,3,4,6-tetrakisphosphate 1-diphosphatase activity; inositol-1,5-bisdiphosphate-2,3,4,6-

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