

Recombinant Human NUDT10, His-tagged

Cat. No. NUDT10-28046TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NUDT10 with a C terminal His tag; 172 amino acids with tag, Predicted MWt 19.5kDa.
Species	Human
Source	E.coli
ProteinLength	164 amino acids
Description	NUDT10 belongs to a subgroup of phosphohydrolases that preferentially attack diphosphoinositol polyphosphates (Hidaka et al.
Conjugation	HIS
Molecular Weight	19.500kDa inclusive of tags
Tissue specificity	Mainly expressed in testis and, at lower level in brain. According to PubMed:12121577, it is widely expressed.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0

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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MKCKPNQTRTYDPEGFKKRAACLCFRSEREDEVLLVSSSRYPDRWIVPGGGMEPE EEPGGAADVREYEEAGVKGKLGRLLGVFEQNQDPKHRITYVYVLTVTTELLEDWEDS VSIGRKREWFKVEDAIKVLQCHKPVHAEYLEKLEKLGGSPTNGNSMAPSSPDSDPLE HHHHHH
Sequence Similarities	Belongs to the Nudix hydrolase family. DIPP subfamily. Contains 1 nudix hydrolase domain.

GENE INFORMATION

Gene Name	NUDT10 nudix (nucleoside diphosphate linked moiety X)-type motif 10 [Homo sapiens]
Official Symbol	NUDT10
Synonyms	NUDT10; nudix (nucleoside diphosphate linked moiety X)-type motif 10; diphosphoinositol polyphosphate phosphohydrolase 3-alpha; DIPP3a; hDIPP3alpha;
Gene ID	170685
mRNA Refseq	NM_153183
Protein Refseq	NP_694853
MIM	300527
Uniprot ID	Q8NFP7

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Chromosome Location	Xp11.22-p11.1
Function	diphosphoinositol-polyphosphate diphosphatase activity; hydrolase activity; metal ion binding;