

Recombinant Human NUDT3, His-tagged

Cat. No. NUDT3-27534TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NUDT3 with an N terminal His tag ; predicted mwt: 21.6 kDa;
Species	Human
Source	E.coli
ProteinLength	172 amino acids
Description	NUDT3 belongs to the MutT, or Nudix, protein family. Nudix proteins act as homeostatic checkpoints at important stages in nucleoside phosphate metabolic pathways, guarding against elevated levels of potentially dangerous intermediates, like 8-oxo-dGTP, which promotes AT-to-CG transversions (Safrany et al.
Conjugation	HIS
Molecular Weight	21.600kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 5mM DTT, 200mM Sodium chloride, 20mM Tris HCl, pH 8

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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	MGSSHHHHHH SSGLVPRGSH MMKLKSNQTR TYDGDGYKKR AACLCFRSES EEEVLLVSSS RHPDRWIVPG GGMEPEEEPS VAAVREVCEEAGVKGTLGRL VGIFENQERK HRTYVYVLIV TEVLEDWEDS VNIGRKREWF KIEDAIKVLQ YHKPVQASYF ETLRQGYSAN NGTPVVATTYSVSAQSSMSG IR
GENE INFORMATION	
Gene Name	NUDT3 nudix (nucleoside diphosphate linked moiety X)-type motif 3 [Homo sapiens]
Official Symbol	NUDT3
Synonyms	NUDT3; nudix (nucleoside diphosphate linked moiety X)-type motif 3; diphosphoinositol polyphosphate phosphohydrolase 1; DIPPP;
Gene ID	11165
mRNA Refseq	NM_006703
Protein Refseq	NP_006694
MIM	609228
Uniprot ID	O95989
Chromosome Location	6p21.2
Function	diphosphoinositol-polyphosphate diphosphatase activity; hydrolase activity;

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magnesium ion binding;

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