

Recombinant Human NUDT15 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NUDT15-4386H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NUDT15 MS Standard C13 and N15-labeled recombinant protein (NP_060753) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an enzyme that belongs to the Nudix hydrolase superfamily. Members of this superfamily catalyze the hydrolysis of nucleoside diphosphates, including substrates like 8-oxo-dGTP, which are a result of oxidative damage, and can induce base mispairing during DNA replication, causing transversions. The encoded enzyme is a negative regulator of thiopurine activation and toxicity. Mutations in this gene result in poor metabolism of thiopurines, and are associated with thiopurine-induced early leukopenia. Multiple pseudogenes of this gene have been identified.
Molecular Mass	18.4 kDa
AA Sequence	MTASAQPRGRRPGVGVGVVVTSCKHPRCVLLGKRKGSVGAGSFQLPGGHLEFGE TWEECAQRETWEEAALHLKNVHFASVVNSFIEKENYHYVTILMKGEVDVTHDSEPK NVEPEKNESWEWVPWEELPPLDQLFWGLRCLKEQGYDPFKEDLNHLVGKGNHLT RTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NUDT15 nudix hydrolase 15 [Homo sapiens (human)]
Official Symbol	NUDT15
Synonyms	NUDT15; nudix hydrolase 15; MTH2; NUDT15D; nucleotide triphosphate diphosphatase NUDT15; 8-oxo-dGTPase NUDT15; mutT homolog 2; nucleoside diphosphate-linked to another moiety X hydrolase 15; nudix (nucleoside diphosphate linked moiety X)-type motif 15; probable 7,8-dihydro-8-oxoguanine triphosphatase NUDT15; probable 8-oxo-dGTP diphosphatase NUDT15; EC 3.6.1.9
Gene ID	55270
mRNA Refseq	NM_018283
Protein Refseq	NP_060753
MIM	615792
UniProt ID	Q9NV35

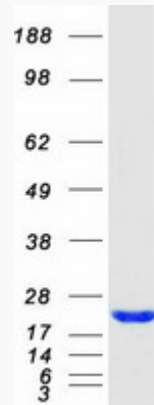
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SDS-PAGE



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