

Recombinant Full Length Human NUDT15 Protein, C-Flag-tagged

Cat. No. NUDT15-892HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NUDT15 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	18.4 kDa
AA Sequence	MTASAQPRGRRPGVGVGVVVTSCKHPRCVLLGKRKGSVGAGSFQLPGGHLEFGE TWEECAQRETWEEAAL HLKNVHFASVVNSFIEKENYHYVTILMKGEVDVTHDSEPK NVEPEKNESWEWVPWEELPPLDQLFWGLRC LKEQGYDPFKEDLNHLVG YKGNHLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

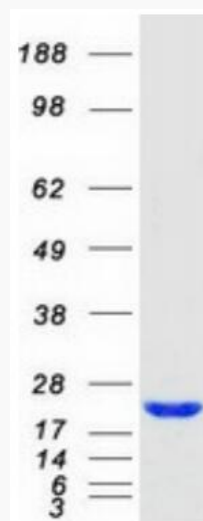
GENE INFORMATION

Gene Name	NUDT15 nudix hydrolase 15 [Homo sapiens (human)]
Official Symbol	NUDT15
Synonyms	MTH2; NUDT15D
Gene ID	55270
mRNA Refseq	NM_018283.4
Protein Refseq	NP_060753.1
MIM	615792
UniProt ID	Q9NV35

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Coomassie blue staining of purified NUDT15 protein.

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