Recombinant Human NUDT15 Protein, His-tagged

Cat. No. NUDT15-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Nucleotide triphosphate diphosphatase NUDT15 with a C-terminal His-tag was produced in Nicotiana benthamiana by Agrobacterium-mediated transient expression.
Species	Human
Source	Nicotiana Benthamiana
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	Lyophilized
Molecular Mass	19.4 kDa
Purity	>95%
Storage	Lyophilized materials are stable for up to twelve months from date of receipt at -70 centigrade.

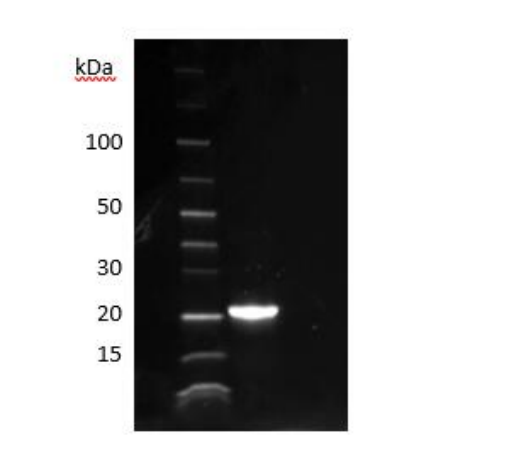
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	It is recommended that reconstituted protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	20 mM HEPES pH8, 150 mM NaCl, 175 mM Trehalose Dihydrate.

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	 Reducing 4-20% SDS-PAGE analysis of 5 μg NUDT15.

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