

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 <i>Nicotiana benthamiana</i> by Agrobacterium-mediated transient expression.
Species	Human
Source	<i>Nicotiana Benthamiana</i>
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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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](#)

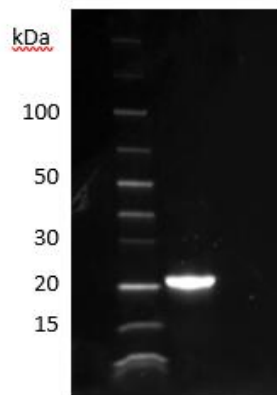
MIM [615792](#)

UniProt ID [Q9NV35](#)

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SDS-PAGE

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

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