

## Product datasheet for TP310477

### NUDT15 (NM\_018283) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nudix (nucleoside diphosphate linked moiety X)-type motif 15 (NUDT15), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210477 representing NM_018283 <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MTASAQPRGRRPGVGVGVVTSCKHPRCVLLGKRKGSVGAGSFQLPGGHLEFGETWEECAQRETWEEAAL HLKNVHFASVVNSFIEKENYHYVTILMKGEVDVTHDSEPKNVEPEKNESWEWVPWEELPPLDQLFWGLRC LKEQGYDPFKEDLNHLVGYKGNHL  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-Myc/DDK
Predicted MW:	18.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_060753</a></u>
Locus ID:	55270
UniProt ID:	<u><a href="#">Q9NV35</a></u>


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RefSeq Size: 2022

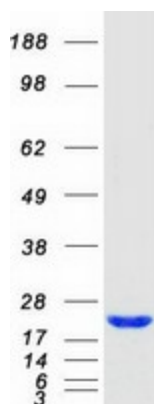
Cytogenetics: 13q14.2

RefSeq ORF: 492

Synonyms: MTH2; NUDT15D

**Summary:** 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. [provided by RefSeq, Apr 2016]

## Product images:



Coomassie blue staining of purified NUDT15 protein (Cat# TP310477). The protein was produced from HEK293T cells transfected with NUDT15 cDNA clone (Cat# [RC210477]) using MegaTran 2.0 (Cat# [TT210002]).