

Product datasheet for PH302900

NUDT3 (NM_006703) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NUDT3 MS Standard C13 and N15-labeled recombinant protein (NP_006694)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202900
Predicted MW:	19.3 kDa
Protein Sequence:	>RC202900 representing NM_006703 Red=Cloning site Green=Tags(s) MMKLKSNQTRTYDGDGYKKRAACLFRSESEEEVLLVSSSRHPDRWIVPGGGMEPEEEPSVAAVREVCEE AGVKGTLGRLVGIFENQERKHRTYVYVLIVTEVLEDWEDSVNIGRKREWFKIEDAIKVLQYHKPVQASYF ETLRQGYSANNGTPVVATTYSVSAQSSMSGIR TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006694
RefSeq Size:	1371
RefSeq ORF:	516
Synonyms:	DIPP; DIPP-1; DIPP1
Locus ID:	11165
UniProt ID:	O95989

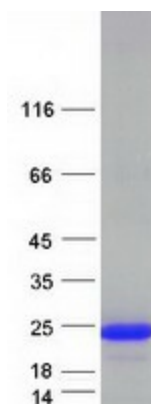


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Cytogenetics: 6p21.31

Summary: NUDT3 belongs to the MutT, or Nudix, protein family. Nudix proteins act as homeostatic checkpoints at important stages in nucleoside phosphate metabolic pathways, guarding against elevated levels of potentially dangerous intermediates, like 8-oxo-dGTP, which promotes AT-to-CG transversions (Safrany et al., 1998 [PubMed 9822604]).[supplied by OMIM, Feb 2011]

Product images:



Coomassie blue staining of purified NUDT3 protein (Cat# [TP302900]). The protein was produced from HEK293T cells transfected with NUDT3 cDNA clone (Cat# [RC202900]) using MegaTran 2.0 (Cat# [TT210002]).