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Product datasheet for PH308717

NUDT10 (NM_153183) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NUDT10 MS Standard C13 and N15-labeled recombinant protein (NP_694853)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208717
Predicted MW:	18.5 kDa
Protein Sequence:	>RC208717 protein sequence Red=Cloning site Green=Tags(s) MKCKPNQTRTYDPEGFKKRAACLCFRSEREDEVLLVSSSRYPDRWIVPGGGMEPEEEPGGAAVREVYEEA GVKGKLGRLLGVFEQNQDPEHRTYVYVLTVTELLEDWEDSVSIGRKREWFKVEDAIKVLQCHKPVHAEYL EKLKLGGSPTNGNSMAPSSPDSDP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_694853
RefSeq Size:	2018
RefSeq ORF:	492
Synonyms:	APS2; DIPP3-alpha; DIPP3a
Locus ID:	170685
UniProt ID:	Q8NFP7

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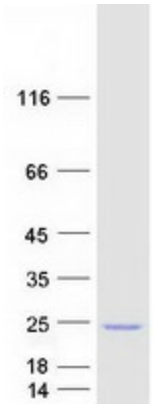
Cytogenetics: Xp11.22

Summary: This gene is a member of the nudix (nucleoside diphosphate linked moiety X)-type motif containing family. The encoded protein is a phosphohydrolase and may regulate the turnover of diphosphoinositol polyphosphates. The turnover of these high-energy diphosphoinositol polyphosphates represents a molecular switching activity with important regulatory consequences. Molecular switching by diphosphoinositol polyphosphates may contribute to the regulation of intracellular trafficking. In some populations putative prostate cancer susceptibility alleles have been identified for this gene. Alternatively spliced transcript variants, which differ only in the 5' UTR, have been found for this gene. [provided by RefSeq, Feb 2015]

Product images:



Coomassie blue staining of purified NUDT10 protein (Cat# [TP308717]). The protein was produced from HEK293T cells transfected with NUDT10 cDNA clone (Cat# [RC208717]) using MegaTran 2.0 (Cat# [TT210002]).