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Product datasheet for PH309741

NT5C3 (NT5C3A) (NM_001002009) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NT5C3 MS Standard C13 and N15-labeled recombinant protein (NP_001002009)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209741
Predicted MW:	33.9 kDa
Protein Sequence:	>RC209741 protein sequence Red=Cloning site Green=Tags(s) MTNQESAVHVKMMPEFQKSSVRIKNPTRVEEIICGLIKGGAAKLQIITDFDMTLSRFSYKGKRCPTCHNI IDNCKLVTDECRKKLLQLKEKYYAIEVDPVLTVEEKYPYMVEWYTKSHGLLVQQALPKAKLKEIVAESDV MLKEGYENFFDKLQQHSIPVFIFSAGIGDVLEEVIRQAGVYHPNVKVVSNFMDFDETGVLKGFKGELIHV FNKHDGALRNTEYFNQLKDNSNIILLGDSQGDLRMADGVANVEHILKIGYLNDRVDELLEKYMDSYDIVL VQDESLEVANSILQKIL 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_001002009
RefSeq Size:	1782
RefSeq ORF:	891
Synonyms:	cN-III; hUMP1; NT5C3; P5'N-1; P5N-1; p36; PN-I; POMP; PSN1; UMPH; UMPH1
Locus ID:	51251

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UniProt ID: Q9H0P0, A0A024RA81

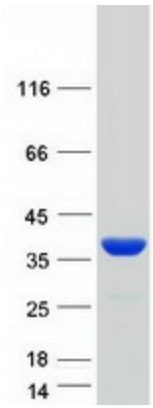
Cytogenetics: 7p14.3

Summary: This gene encodes a member of the 5'-nucleotidase family of enzymes that catalyze the dephosphorylation of nucleoside 5'-monophosphates. The encoded protein is the type 1 isozyme of pyrimidine 5' nucleotidase and catalyzes the dephosphorylation of pyrimidine 5' monophosphates. Mutations in this gene are a cause of hemolytic anemia due to uridine 5-prime monophosphate hydrolase deficiency. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and pseudogenes of this gene are located on the long arm of chromosomes 3 and 4. [provided by RefSeq, Mar 2012]

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism

Product images:



Coomassie blue staining of purified NT5C3A protein (Cat# [TP309741]). The protein was produced from HEK293T cells transfected with NT5C3A cDNA clone (Cat# [RC209741]) using MegaTran 2.0 (Cat# [TT210002]).