

Recombinant Human NT5C3A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NT5C3A-5423H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NT5C3 MS Standard C13 and N15-labeled recombinant protein (NP_057573) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	33.9 kDa
AA Sequence	MTNQESAVHVKMMPEFQKSSVRIKNPTRVEEIIICGLIKGGAAKLQIITDFDMLSRFS YKGKRCPTCHNIIDNCKLVTDECRKLLQLKEKYAIEVDPVLTVEEKYPYMVEWYT KSHGLLVQQALPKAKLKEIVAESDVMLKEGYENFFDKLQQHSIPVFIFSAGIGDVLEE VIRQAGVYHPNVKVVSNFMDFDETGVKLGFKGELIHVFNKHGDGALRNTEYFNQLKD NSNIILLGDSQGDLRMADGVANVEHILKIGYLNDRVDELLEKYMDSYDIVLVQDESLE

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VANSILQKILTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NT5C3A 5'-nucleotidase, cytosolic IIIA [Homo sapiens (human)]
Official Symbol	NT5C3A
Synonyms	NT5C3A; 5'-nucleotidase, cytosolic IIIA; p36; PN-I; POMP; PSN1; UMPH; NT5C3; P5N-1; UMPH1; hUMP1; P5'N-1; cN-III; cytosolic 5'-nucleotidase 3A; 5'-nucleotidase, cytosolic III; 7-methylguanosine phosphate-specific 5'-nucleotidase; cytosolic 5'-nucleotidase 3; lupin; pyrimidine 5'-nucleotidase 1; uridine 5'-monophosphate hydrolase 1; EC 3.1.3.5; EC 3.1.3.91
Gene ID	51251
mRNA Refseq	NM_016489
Protein Refseq	NP_057573

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MIM 606224

UniProt ID Q9H0P0

SDS-PAGE



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