

Product datasheet for **TP304265M**

NT5C (NM_014595) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human 5', 3'-nucleotidase, cytosolic (NT5C), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204265 protein sequence Red =Cloning site Green =Tags(s)
	MARSVRVLVDMGVLADFEAGLLRGFRRRFPEEPHVPLEQRRGFLAREQYRALRPDLADKVASVYEAPGF FLDLEPIPGALDAVREMNDLPDTQVFICTSPLLKYHHCVGEKYRWVEQHLGPQFVERIILTRDKTVVLGD LLIDDKDTVRGQEETPSWEHILFTCCCHNRHLVLPPTRRRLLSWSDNWREILDSKRGAAQRE
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	23.2 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>NP_055410</u>
Locus ID:	30833
UniProt ID:	<u>Q8TCD5</u> , <u>V9HWF3</u>
RefSeq Size:	975



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Cytogenetics: 17q25.1

RefSeq ORF: 603

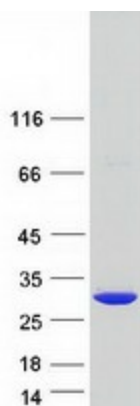
Synonyms: cdN; DNT; dNT-1; DNT1; HEL74; P5N2; PN-I; PN-II; UMPH2

Summary: This gene encodes a nucleotidase that catalyzes the dephosphorylation of the 5' deoxyribonucleotides (dNTP) and 2'(3')-dNTP and ribonucleotides, but not 5' ribonucleotides. Of the different forms of nucleotidases characterized, this enzyme is unique in its preference for 5'-dNTP. It may be one of the enzymes involved in regulating the size of dNTP pools in cells. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2011]

Protein Families: Transcription Factors

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

Product images:



Coomassie blue staining of purified NT5C protein (Cat# [TP304265]). The protein was produced from HEK293T cells transfected with NT5C cDNA clone (Cat# [RC204265]) using MegaTran 2.0 (Cat# [TT210002]).