

Recombinant Human NT5C Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NT5C-6577H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NT5C MS Standard C13 and N15-labeled recombinant protein (NP_055410) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	23.4 kDa
AA Sequence	MARSVRVLVDMGVLADFEAGLLRGFRRRFPEEPHVPLEQRRGFLAREQYRALRP DLADKVASVYEAPGFFLDLEPIPGALDAVREMNDLPDTQVFICTSPLLKYHHCVGEK YRWVEQHLGPQFVERIILTRDKTVVLGDLIDDKD TVRGQEETPSWEHILFTCCHNR HLVLPPTRRRLLSWSDNWREILDSKRGAAQRETRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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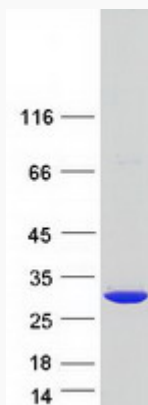
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	NT5C 5', 3'-nucleotidase, cytosolic [Homo sapiens (human)]
Official Symbol	NT5C
Synonyms	NT5C; 5, 3-nucleotidase, cytosolic; 5 nucleotidase, deoxy (pyrimidine), cytosolic type C, UMPH2, uridine 5 prime monophosphate hydrolase 2; 5(3)-deoxyribonucleotidase, cytosolic type; cdN; DNT 1; dNT 1; DNT1; PN I; deoxy-5-nucleotidase 1; cytosolic 5,3-pyrimidine nucleotidase; uridine 5-prime monophosphate hydrolase 2; uridine 5-monophosphate phosphohydrolase 2; 5 nucleotidase, deoxy (pyrimidine), cytosolic type C; DNT; P5N2; PN-I; PN-II; UMPH2; dNT-1;
Gene ID	30833
mRNA Refseq	NM_014595
Protein Refseq	NP_055410
MIM	191720
UniProt ID	Q8TCD5

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SDS-PAGE

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