

Recombinant Full Length Human NT5C Protein, C-Flag-tagged

Cat. No. NT5C-2153HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NT5C Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	23.2 kDa
AA Sequence	MARSVRVLVDMDGVLADFEAGLLRGFRRRFPEEPHVPLEQRRGFLAREQYRALRP DLADKVASVYEAPGF FLDLEPIPGALDAVREMNDLPDTQVFICTSPLLKYHHCVGEK YRWVEQHLGPQFVERIILTRDKTVVLGD LLIDDKD TVRGQEETPSWEHILFTCCCHNR HLVLPPTRRRLLSWSDNWREILDSKRGAAQRE TRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transcription Factors
Protein Pathways	Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	NT5C 5', 3'-nucleotidase, cytosolic [Homo sapiens (human)]
Official Symbol	NT5C
Synonyms	DNT; cdN; DNT1; P5N2; PN-I; HEL74; PN-II; UMPH2; dNT-1
Gene ID	30833
mRNA Refseq	NM_014595.3
Protein Refseq	NP_055410.1

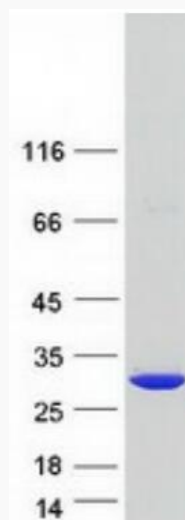
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MIM 191720

UniProt ID Q8TCD5



Coomassie blue staining of purified NT5C protein.

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