Recombinant Human NT5C protein, His & T7-tagged

Cat. No. NT5C-1074H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NT5C aa. (Asp12~Leu200 fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp12~Leu200
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.5kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.

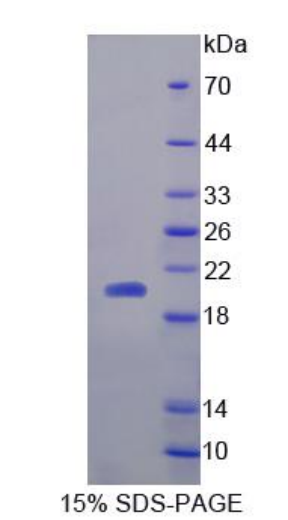
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	NT5C 5', 3'-nucleotidase, cytosolic [Homo sapiens (human)]
Official Symbol	NT5C
Synonyms	NT5C; 5', 3'-nucleotidase, cytosolic; DNT; cdN; DNT1; P5N2; PN-I; HEL74; PN-II; UMPH2; dNT-1; 5'(3')-deoxyribonucleotidase, cytosolic type; 5' nucleotidase, deoxy (pyrimidine), cytosolic type C; cytosolic 5',3'-pyrimidine nucleotidase; deoxy-5'-nucleotidase 1; epididymis luminal protein 74; uridine 5'-monophosphate phosphohydrolase 2; uridine 5-prime monophosphate hydrolase 2
Gene ID	30833

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mRNA Refseq	NM_001252377.1
Protein Refseq	NP_001239306.1
UniProt ID	Q8TCD5
SDS-PAGE	 15% SDS-PAGE

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