Recombinant Human 5 -Nucleotidase, Cytosolic II, T7-tagged

Cat. No. NT5C2-395H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NT5C2 was expressed in*E.Coli*using an N-terminal T7 tag. MW=64.5 kDa.
Species	Human
Source	E.coli
Description	Purine 5-prime-nucleotidase preferentially hydrolyzes inosine 5-prime-monophosphate (IMP) and other purine nucleotides, and is allosterically activated by various compounds, including ATP. The enzyme is exclusively located in the cytoplasmic matrix of cells and may have a critical role in the maintenance of a constant composition of intracellular purine/pyrimidine nucleotides in cooperation with other nucleotidases.
Sequence	1-561.
Purity	~95%.
Specific Activity	n/aH.
Applications	This recombinant protein can be used for WB, ELISA, MS and neutralization assays.
Buffer	10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN3, 10mM DTT.
Storage	Store at -70?C. As with any protein, exposing NT5C2 recombinant protein to repeated

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	freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
SDS-PAGE	SDS PAGE Analysis of NT5C2 Recombinant Protein. 4-20% SDS gradient gel. Coomassie blue staining.

GENE INFORMATION

Gene Name	NT5C2 5''-nucleotidase, cytosolic II [Homo sapiens]
Synonyms	NT5C2; 5''-nucleotidase, cytosolic II; GMP; NT5B; PNT5; cN-II; IMP-specific 5''-NT; purine 5'' nucleotidase; 5''-nucleotidase (purine), cytosolic type B; EC 3.1.3.5
Gene ID	22978
mRNA Refseq	NM_001134373
Protein Refseq	NP_001127845
MIM	600417
UniProt ID	P49902
Chromosome Location	10q24.32-q24.33
Pathway	Metabolic pathways; Nicotinate and nicotinamide metabolism; Purine metabolism; Pyrimidine metabolism; Metablism of nucleotides
Function	5''-nucleotidase activity; hydrolase activity; magnesium ion binding; nucleotide binding; protein binding

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