

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

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NT5C2 was expressed in <i>E. Coli</i> using an N-terminal T7 tag. MW=64.5 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Sequence</b>	1-561.
<b>Purity</b>	~95%.
<b>Specific Activity</b>	n/aH.
<b>Applications</b>	This recombinant protein can be used for WB, ELISA, MS and neutralization assays.
<b>Buffer</b>	10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN <sub>3</sub> , 10mM DTT.
<b>Storage</b>	Store at -70°C. As with any protein, exposing NT5C2 recombinant protein to repeated

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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