

Recombinant Human NT5C2 protein, GST-tagged

Cat. No. NT5C2-258H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NT5C2 (1 a.a. - 561 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
Protein Length	1-561 a.a.
Description	Purine 5-prime-nucleotidase (EC 3.1.3.5) 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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	87.45 kDa
AA Sequence	MSTSWSDRLQNAADMPANMDKHALKKYRREAYHRVFNRS LAMEKIKCFGDMDY TLAVYKSPEYESLGFELTVE RLVSIGYPQELLSFAYDSTFPTRGLVFD TLYGNLLKVD AYGNLLVCAHGFNFIRGPETREQYPNKFIQRDDTERF YILNTL FNL PETYLLACL VDF FTNCPRYTSCETGFKDGLFMSYRSMFQDVRDAVDWVHYK GSLKEKTVENLEKY V VKDGKLP LLLSRMKEVGKVFLATNSDYKYTDKIMTYLFD FPHGPKPGSSHRPWQSY

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

FDLILVDARKPLFFGEGT VLRQVDTKTGKLGKIGTYTGPLQHGIVYSGGSSDTICDLLG
 AKGKDILYIGDHIFGDILKSKKRQGWRTFLVIPEL AQELHVWTDKSSLFEELQSLDIFL
 AELYKHL DSSSNERPDISSIQRRRIKKVTHDMDMCYGMMSLFRSGSRQTLF ASQVM
 RYADLYAASFINLLYYPFSYLFRAAHVLMPESTVEHETHVDINEMESPLATRNRTSVD
 FKDTDYKRHQLT RSISEIKPPNLFPLAPQEITHCHDEDDDEEEEEEEEE

Applications Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [NT5C2 5'-nucleotidase, cytosolic II \[Homo sapiens \]](#)

Official Symbol NT5C2

Synonyms GMP; NT5B; PNT5; SPG45; SPG65; cN-II; cytosolic purine 5'-nucleotidase; 5'-
 nucleotidase (purine), cytosolic type B; IMP-specific 5'-NT; cytosolic 5'-nucleotidase II;
 purine 5' nucleotidase

Gene ID [22978](#)

mRNA Refseq [NM_012229](#)

Protein Refseq [NP_036361](#)

MIM [600417](#)

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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



UniProt ID	P49902
Chromosome Location	10q24.32
Pathway	Abacavir metabolism, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Nicotinate and nicotinamide metabolism, conserved biosystem
Function	5'-nucleotidase activity; 5'-nucleotidase activity; nucleoside phosphotransferase activity

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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