

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	MSTWSDDLQNAADMPANMDKHALKKYRREAYHRVFNRLAMEKIKCFGDMY TLAVYKSPEYESLGFELTVE RLVSIGYPQELLSFAYDSTFPTRGLVFDTLTYGNLLKVD AYGNLLVCAHGFNFIRGPETREQYPNKFQRRDTERF YILNTLFLNPETYLLACLVD FTNCPRYTSCETGFKDGDLFMSYRSMFQDVRDAVDWVHYKGSLEKTVENLEKY V VKDGLPLLLSRMKEVGKVFLATNSDYKYTDKIMTYLFDLPHGPKPGSSHRPWQSY

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FDLILVDARKPLFFGEGT VLRQVDTKTGKLGKIGTYTGPLQHGIVYSGGSSDTICDLLG
AKGKDILYIGDHIFGDILKSKKRQGWRTFLVIPEL AQELHVWTDKSSLFEELQSLDIFL
AELYKHL DSSSNERPDISSIQRRIKKVTHDMDMCYGMMSLFRSGSRQTLF ASQVM
RYADLYAASFINLLYYPFSYLFRAAHVLMPESTVEHTHVDINEMESPLATRNRTSVD
FKD TDYKRHQLT 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

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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

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