

Recombinant Full Length Human NT5C2 Protein, GST-tagged

Cat. No. NT5C2-564HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NT5C2 (1 a.a. - 561 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
Protein Length	561 amino acids
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	MSTSWSDRLQ NAADMPANMD KHALKKYRRE AYHRVFNRS LAMEKIKCFG FDMDYTLAVY KSPEYESLGF ELTVLRSI GYPQELLSFA YDSTFPTRGL VFDTLYGNLL KVDAYGNLLV CAHGFNFIRG PETREQYPNK FIQRDDTERF YILNTLFNLP ETYLLACLVD FFTNCPRYTS CETGFKDGDL FMSYRSMFQD VRDAVDWVHY KGSLKEKTVE NLEKYVVKDG KLPILLSRMK EVGKVFLATN

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SDYKYTDKIM TYLDFDPHGP KPGSSHRPWQ SYFDLILVDA RKPLFFGEGT
 VLRQVDTKTG KLGIGTYTGP LQHGIVYSSG SSDTICDLLG AKGKDILYIG
 DHIFGDILKS KKRQGWRTFL VIPELAQELH VWTDKSSLFE ELQSLDIFLA
 ELYKHLDSST NERPDISSIQ RRIKKVTHDM DMCYGMMGSL FRSGSRQTLF
 ASQVMRYADL YAASFINLLY YPFSYLFRAA HVLMPHESTV EHTHVDINEM
 ESPLATRNRRT SVDFKDTDYK RHLTRRISSE IKPPNLFPLA PQEITHCHDE
 DDDEEEEEEEE E

Applications

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

Storage

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

GENE INFORMATION

Gene Name

NT5C2 5'-nucleotidase, cytosolic II [Homo sapiens (human)]

Official Symbol

NT5C2

Synonyms

GMP; NT5B; PNT5; SPG45; SPG65; cN-II

Gene ID

22978

mRNA Refseq

NM_012229

Protein Refseq

NP_036361

MIM

600417

UniProt ID

P49902

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