

NT5C2 recombinant protein

NT5C2, 1-561aa, Human, His tag E Coli

CATALOG # AAA48783	HOST E Coli	APPLICATIONS SDS-Page
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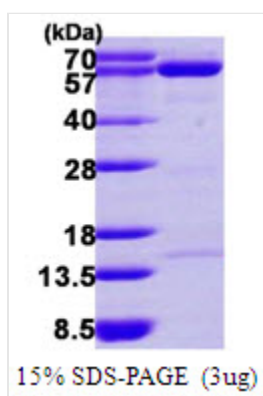
PRODUCT SYNONYMS

NT5C2; 1-561aa; Human; His tag E Coli; Cytosolic purine 5'-nucleotidase; cN-II; GMP. NT5B; PNT5; NT5C2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 30% glycerol, 0.1M NaCl, 1mM DTT, 0.1mM PMSF
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MSTSWSDRLQ NAADMPANMD KHALKKYRRE AYHRVFNRS LAMEKIKCFG FDMDYTLAVY KSPEYESLGF ELTVERLSI GYPQELLSFA YDSTFPTRGL VFDTLYGNLL KVDAYGNLLV CAHGFNFIRG PETREQYPNK FIQRDDTERF YILNTLFNLP ETYLLACLVD FFTNCPRYTS CETGFKDGD FMSYRSMFQD VRDAVDWVHY KGSLKEKTVE NLEKYVVKDG KLPILLSRMK EVGKVFLATN SDYKYTDKIM TYLFDPFHPG KPGSSHRPWQ SYFDLILVDA RKPLFFGEGT VLRQVDTKTG KLIKIGTYTGP LQHGVYSSG SSDTICDLLG AKGKDILYIG DHIFGDILKS KKRQGWRTFL VIPELAQELH VWTDKSSLFE ELQSLDIFLA ELYKHLDSST NERPDISSIQ RRIKKVTHDM DMCYGMMSGSL FRSGSRQTLF ASQVMRYADL YAASFINLLY YPFSYLFRAA HVLMPHESTV EHTHVDINEM ESPLATRNRT SVDFKDTDYK RHQLTRTISE IKPPNLFPLA PQEITHCHDE DDDEEEEEEE E
Sequence Length	561
Applicable Applications for NT5C2 recombinant protein	SDS-PAGE
Preparation and Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NT5C2 recombinant protein	NT5C2, also known as NT5B or PNT5, has an essential role in the maintenance of purine/pyrimidine nucleotides. It contains a phosphotransferase active site that catalyzes the dephosphorylation of 6-hydroxypurine nucleoside 5'-monophosphates. In addition, it regulates the level of inosine monophosphate (IMP) and guanosine monophosphate (GMP) pools within cells via hydrolysis. Recombinant human NT5C2 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for NT5C2 recombinant protein	Enzymes & Proteases
References	Oka J. et al. (1994) Biochem. Biophys. Res. Commun. 205: 917-922.; Walde K. et al. (2007) J Biol Chem. 282: 17828-17836.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912598
NCBI GeneID	22978
NCBI Accession #	NP_036361
NCBI GenBank Nucleotide #	NM_012229.4
UniProt Accession #	P49902; Q5JUV5; B7Z382; D3DR91
Molecular Weight	67.1 kDa (581aa)
NCBI Official Full Name	cytosolic purine 5'-nucleotidase isoform 1
NCBI Official Synonym Full Names	5'-nucleotidase, cytosolic II
NCBI Official Symbol	NT5C2
NCBI Official Synonym Symbols	GMP; NT5B; PNT5; SPG45; SPG65; cN-II
NCBI Protein Information	cytosolic purine 5'-nucleotidase
UniProt Protein Name	Cytosolic purine 5'-nucleotidase
UniProt Gene Name	NT5C2
UniProt Synonym Gene Names	NT5B; NT5CP; PNT5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.