

32-2614: NT5C2 Recombinant Protein

Alternative Name : Cytosolic purine 5'-nucleotidase,Cytosolic 5'-nucleotidase II,NT5C2,NT5B,NT5CP,PNT5,GMP,cN-II.

Description

Source : Escherichia Coli. NT5C2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 581 amino acids (1-561 a.a.) and having a molecular mass of 67.1kDa.NT5C2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. NT5C2 (NT5B/PNT5) has a vital role in the maintenance of purine/pyrimidine nucleotides. NT5C2 contains a phosphotransferase active site which catalyzes the dephosphorylation of 6-hydroxypurine nucleoside 5'-monophosphates. Furthermore, NT5C2 regulates the level of inosine monophosphate (IMP) and guanosine monophosphate (GMP) pools inside cells by way of hydrolysis.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	NT5C2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 0.1M NaCl, 1mM DTT and 0.1mM PMSF.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MSTSWSDRLQ NAADMPANMD KHALKKYRRE AYHRVFNRS LAMEKIKCFG FDMDYTLAVY KSPEYESLGF ELTVERLVS I GYPQELLSFA YDSTFPTRGL VFD TLYGNLL KV DAYGNLLV CAHG FN FIRG PETREQYPNK FIQRDDTERF YILNTLFNLP ETYLLACLVD FFTNCPRYTS CETGFKDGD L FMSYRSMFQD VRDAVDWVHY KGSLKEKTVE NLEKYVVKDG KLP LLLSRMK EVGKVFLATN SDYKYTDKIM TYLDFDPHGP KPGSSHRPWQ SYFDLILVDA RKPLFFGEGT VLRQVDTKTG KLKIGTYTGP LQH GIVYSGG SS DTICDLLG AKGKDILYIG DHIFGDILKS KKRQGWRTFL VIPELAQELH VWTDKSSLFE ELQSLDIFLA ELYKHL DSSS NERPDISSIQ RRIKKVTHDM DMCYGMMSL FRSGSRQTLF ASQVMRYADL YAASFINLLY YPFSYLFRAA HVLMPHESTV EHTHVDINEM ESPLATRNRT SVDFKDTDYK RHLTR SISE IKPPNLFPLA PQEITHCHDE DDDEEEEEEE E.