

NT5C2, 1-561aa, Human, His tag E.coli

Cat.NO.: TP03206

3th Edition

Synonyms:Cytosolic purine 5'-nucleotidase, cN-II, GMP. NT5B, PNT5.

Description: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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol 0.1M NaCl,1mM DTT, 0.1mM PMSF

Molecular Weight:67.1 kDa (581aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMSTSWSDRLQNAADM PANMDKHALKKYRREAYHRVFNRLAMEKIKCFGFDM
DYTLAVYKSPEYESLGFELTVERLVSIGYPQELLSFAYDSTFPTRGLVFD TLYGNLLKVDAYGNLLVCAHG FNFIRGP
ETREQYPNKFIQRDDTERFYILNTLFNLPETYLLACLVDFFTNCPRYTSCETGFKDGDLFMSYRSMFQDVRDAVDW
VHYKGS LKEKTVENLEKYVVKDGKLP LLLSRMKEVGKVFLATNSDYKYTDKIMTYLFD FPHGPKPGSSHRPWQSYF
DLILVDARKPLFFGEGTVLRQVDTKTGKLGTYTGPLQH GIVYSGGSSDTICDLLGAKGKDILYIGDHIFGDILKSKKR
QGWRTFLVIP ELAQELHVWTDKSSLFEELQSLDIFLAELYKHL DSSSNERPDISSIQRRIKKVT HDMDM CYGMMGSL
FRSGSRQTLFASQVMRYADLYAASF INLLYYPFSYLFRAAHV LMPHESTVEH THVDINEMESPLATRNRTSVDFKDT
DYKRHQLTRSISEIKPPNLFPLAPQEITHCHDEDDDEEEEEEE

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.