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DATA SHEET

5'-Nucleotidase Cytosolic II Human Recombinant

Item Number

rAP-1353

Synonyms

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

Description

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.

Uniprot Accesion Number

P49902

Amino Acid Sequence

MGSSHHHHHH SSGLVPRGSH MSTSWSDRLQ NAADMPANMD KHALKKYRRE AYHRVFVNRS LAMEKIKCFG FDMDYTLAVY KSPEYESLGF ELTVERLVSI GYPQELLSFA YDSTFPTRGL VFDTLYGNLL KVDAYGNLLV CAHGFNFIRG PETREQYPNK FIQRDDTERF YILNTLFNLP ETYLLACLVD FFTNCPRYTS CETGFKDGDL FMSYRSMFQD VRDAVDWVHY KGSLKEKTVE NLEKYVVKDG KLPLLLSRMK EVGKVFLATN SDYKYTDKIM TYLFDFPHGP KPGSSHRPWQ SYFDLILVDA RKPLFFGEGT VLRQVDTKTG KLKIGTYTGP LQHGIVYSGG SSDTICDLLG AKGKDILYIG DHIFGDILKS KKRQGWRTFL VIPELAQELH VWTDKSSLFE ELQSLDIFLA ELYKHLDSSS NERPDISSIQ RRIKKVTHDM DMCYGMMGSL FRSGSRQTLF ASQVMRYADL YAASFINLLY YPFSYLFRAA HVLMPHESTV EHTHVDINEM ES-

Source

Escherichia Coli.

Physical Appearance and Stability

Sterile Filtered clear solution. 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.

Formulation and Purity

NT5C2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 0.1M NaCl, 1mM DTT and 0.1mM PMSF. Greater than 90% as determined by SDS-PAGE.

Application

Solubility

Biological Activity

Shipping Format and Condition

Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only