

32-2615: NT5C3B Recombinant Protein

Alternative Name : NT5C3L,7-methylguanosine phosphate-specific 5'-nucleotidase,Cytosolic 5'-nucleotidase 3B,Cytosolic 5'-nucleotidase III-like protein,cN-III-like protein,N(7)-methylguanylate 5'-phosphatase.

Description

Source : Escherichia Coli. NT5C3B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 323 amino acids (1-300 a.a) and having a molecular mass of 36.8kDa. NT5C3B is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 7-methylguanosine phosphate-specific 5'-nucleotidase (NT5C3B) includes transferase activity and nucleotide binding. Among NT5C3B's related super-pathways are adenosine nucleotides degradation II and Pyrimidine metabolism. NT5C3B hydrolyzes 7-methylguanosine monophosphate (m(7)GMP) to 7-methylguanosine and inorganic phosphate. The specific activity for m(7)GMP guards cells against undesired retrieval of m(7)GMP and its incorporation into nucleic acids. In addition, NT5C3B has weak activity for CMP.

Product Info

Amount : 20 µg
Purification : Greater than 85.0% as determined by SDS-PAGE.
Content : NT5C3B protein solution (1mg/ml) containing Phosphate Buffered Saline (pH7.4), 20% glycerol and 1mM DTT.
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 SSSLVPRGSH MGSMEEVST LMKATVLMRQ PGRVQEIVGA LRKGGGDRLO
 VISDFDMTLSRFAYNGKRCP SSYNILDNSK IISEEKRKEL TALLHHYYPI EIDPHRTVKE KLPHMVEWWT
 KAHNLLCQQKIQKFQIAQVV RESNAMLREG YKTFNTLYH NNIPLFIFSA GIGDILEEII RQMKVFHPNI
 HIVSNYMDFNEDGFLQGFKG QLIHTYNKNS SACENSGYFQ QLEGKTNVIL LGDSIGDLTM ADGVPGVQNI
 LKIGFLNDKVEERRERYMDS YDIVLEKDET LDVVNGLLQH ILCQGVQLEM QGP.

