

NT5C3B, 1-300aa Human, His tag, E.coli

Cat.NO.: TP03207

3th Edition

Synonyms:7-methylguanosine phosphate-specific 5'-nucleotidase, NT5C3L

Description:NT5C3B, also known 7-methylguanosine phosphate-specific 5'-nucleotidase, includes transferase activity and nucleotide binding. Among its related super-pathways are adenosine nucleotides degradation II and Pyrimidine metabolism. Specifically it hydrolyzes 7-methylguanosine monophosphate (m(7)GMP) to 7-methylguanosine and inorganic phosphate. The specific activity for m(7)GMP may protect cells against undesired salvage of m(7)GMP and its incorporation into nucleic acids. Also it has weak activity for CMP. Recombinant human NT5C3B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. Phosphate Buffered Saline (pH7.4) containing 20% glycerol, 1mM DTT

Molecular Weight:36.8 kDa(323aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSM AEEVSTLMKATVLMRQPGRVQEIVGALRKGGGDRLQVISDFDMTLRFAY
NGKRCPSSYNILDNSKIISEE CRKELTALLHHYYPIEIDPHRTVKEKLPHMVEWWTKAHNLLCQQKIQKFQIAQVVRE
SNAMLREGYKTFNTLYHNNIPLFIFSAGIGDILEEIRQMVFHPNIHIVSNYMDFNEDGFLQGFGQLIHTYNKNSS
ACENSGYFQQLEGKTNVILLGDSIGDLTMADGVPGVQNILKIGFLNDKVEERRERYMDSYDIVLEKDETLDVVNGLL
QHILCQGVQLEMQGP

Purity:> 95% by HPLC

Concentration:1 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.