

NT5C3B, human recombinant
NT5C3L, 7-methylguanosine phosphate-specific 5'-nucleotidase
Catalog # PBV11520r

Specification

NT5C3B, human recombinant - Product info

Primary Accession [Q969T7](#)
Calculated MW **36.8 kDa KDa**

NT5C3B, human recombinant - Additional Info

Gene ID **115024**
Other Names
NT5C3L, 7-methylguanosine phosphate-specific 5'-nucleotidase

Gene Source **Human**
Source **E. coli**
Assay&Purity **SDS-PAGE;> 85%**
Recombinant **Yes**
Sequence **MGSSHHHHHH SGLVPRGSH MGSMAEEVST
LMKATVLMRQ PGRVQEIVGA LRKGGGDRQLQ
VISDFDMTLS RFAYNGKRCP
SSYNILDNSKIISEECKERL TALLHHYYPI
EIDPHRTVKE KLPHMVEWWT KAHNLLCQQK
IQKFQIAQVV RESNAMLREG YKTFNTLYH
NNIPLFIFSAGIGDILEEII RQMKVFHPNI
HIVSNYMDFN EDGFLQGFKG QLIHTYNKNS
SACENSGYFQ QLEGKTNVIL LGDSIGDLTM
ADGVPGVQNILKIGFLNDKV EERRERYMDS
YDIVLEKDET LDVVNGLLQH ILCQGVQLEM
QGP**

Target/Specificity
NT5C3B

Format
Liquid

Storage
-20°C; Phosphate Buffered Saline (pH7.4) containing 20% glycerol, 1mM DTT

NT5C3B, human recombinant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NT5C3B, human recombinant - Images**NT5C3B, human recombinant - Background**

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