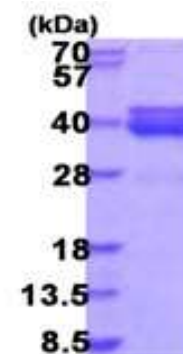


NT5C3B, human recombinant

CATALOG NO:	P1040-20 20 µg P1040-100 100 µg
ALTERNATE NAMES:	NT5C3L, 7-methylguanosine phosphate-specific 5'-nucleotidase
CONCENTRATION:	1 mg/ml (determined by Bradford assay)
SOURCE:	<i>E.coli</i> expressed recombinant NT5C3B protein, fused to His-tag at N-terminus (1-300aa).
PURITY:	> 85% by SDS-PAGE
MOL. WEIGHT:	This protein is fused with 6x His tag at N terminus and the protein has a calculated MW of 36.8 kDa (323aa) confirmed by MALDI-TOF
FORM:	Liquid
FORMULATION:	Phosphate Buffered Saline (pH7.4) containing 20% glycerol, 1mM DTT
STORAGE CONDITIONS:	Store at +4°C for short term (1-2 weeks). For long term storage, aliquot and store at -70°C. Avoid repeated freeze/thaw cycles.
SEQUENCE:	<p>MGSSHHHHHH SGLVPRGSH MGSMAEEVST LMKATVLMRQ PGRVQEIVGA LRKGGGDRQLQ VISDFDMLTSL RFAFYNGKRCP SSYNILDNSK IISEEKRKEL TALLHHYYPI EIDPHRTVKE KLPHMVEVWWT KAHNLLCQQK IQKFQIAQVV RESNAMLREG YKTFNTLYH NNIPLFIFSA GIGDILEEII RQMKVFPHPNI HIVSNYMDFN EDGFLQGFKG QLIHTYNKNS SACENSGYFQ QLEGKTNVIL LGDSIGDLTM ADGVPGVQNI LKIGFLNDKV EERRERYMDS YDIVLEKDET LDVVNGLLQH ILCQGVQLEM QGP</p>
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 <i>E.coli</i> and purified by using conventional chromatography.



15% SDS-PAGE (3µg)

Human recombinant NT5C3B

RELATED PRODUCT:

- Active AHCY, human recombinant (**Cat. No. 7527-10, -50, -1000**)
- DNA Binding Protein-7 (DBP-7), human recombinant (**Cat. No. 7603-20, -100, -1000**)
- Nucleophosmin (hNPM), human recombinant (**Cat. No. 7258-20, -100, -1000**)
- Adenosine Deaminase Activity Assay Kit (Colorimetric) (**Cat. No. K321-100**)
- Adenosine Deaminase Activity Assay Kit (Fluorometric) (**Cat. No. K328-100**)
- AHCY Inhibitor Screening Kit (Fluorometric) (**Cat. No. K326-100**)
- c-myc (Human) ELISA Kit (**Cat. No. K4204-100**)
- EZExtract™ Core Histone Isolation Kit (**Cat. No. K234-100**)

FOR RESEARCH USE ONLY! Not to be used on humans.