

Product datasheet for PH307737

NT5M (NM_020201) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NT5M MS Standard C13 and N15-labeled recombinant protein (NP_064586)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207737
Predicted MW:	25.9 kDa
Protein Sequence:	>RC207737 protein sequence Red=Cloning site Green=Tags(s) MIRLGGWCARRLCSAAVPAGRRGAAGGLGLAGGRALRVLVMDGVLADFEFGFLRKFRARFPDQPFIALE DRRGFWVSEQYGRLRPGLSEKAI SIWESKNFFFELEPLPGAVEAVKEMASLQNTDVFICTSPIKMFKYCP YEKYAWVEKYFGPDFLEQIVLTRDKTVVSADLLIDDRPDITGAEPTPSWEHVLFTACHNQLQLQPPRRR LHSWADDWKAILDSKRPC TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_064586
RefSeq Size:	1633
RefSeq ORF:	684
Synonyms:	dNT-2; dNT2; mdN
Locus ID:	56953
UniProt ID:	Q9NPB1



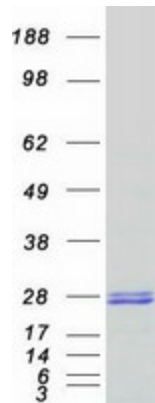
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Cytogenetics: 17p11.2

Summary: This gene encodes a 5' nucleotidase that localizes to the mitochondrial matrix. This enzyme dephosphorylates the 5'- and 2'(3')-phosphates of uracil and thymine deoxyribonucleotides. The gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]

Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism

Product images:



Coomassie blue staining of purified NT5M protein (Cat# [TP307737]). The protein was produced from HEK293T cells transfected with NT5M cDNA clone (Cat# [RC207737]) using MegaTran 2.0 (Cat# [TT210002]).