

## 32-2616: NT5M Recombinant Protein

**Alternative Name :** 5'(3')-deoxyribonucleotidase mitochondrial,5',3'-nucleotidase,mitochondrial,Deoxy-5'-nucleotidase 2,dNT-2,NT5M,DNT2.

### Description

Source : Escherichia Coli. NT5M Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 218 amino acids (32-228 a.a.) and having a molecular mass of 25.1kDa.NT5M is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. NT5M is a member of the 5'(3')-deoxyribonucleotidase family. NT5M localizes to the mitochondrial matrix. The NT5M enzyme dephosphorylates the 5'- and 2'(3')-phosphates of uracil and thymine deoxyribonucleotides. The NT5M gene is located on chromosome 17 p11.2 in the critical region deleted in the Smith-Magenis syndrome (SMS), a genetic disease of unidentified etiology.

### Product Info

**Amount :** 5 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** NT5M protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl 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 SSGLVPRGSH MGGRALRVLV DMDGVLADFE GGFLRKFRAR FPDQPFIALE  
DRRGFWVSEQ YGRLRPLSE KAISIWESKN FFELEPLPG AVEAVKEMAS LQNTDVFICT SPIKMFKYCP  
YEKYAWVEKY FGPDFLEQIV LTRDKTVSA DLLIDDRPDI TGAEPTPSWE HVLFTACHNQ HLQLQPPRRR  
LHSWADDWKA ILDSKRPC.

