

## Recombinant Human NT5M Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** NT5M-4489H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | NT5M MS Standard C13 and N15-labeled recombinant protein (NP_064586) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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.               |
| <b>Molecular Mass</b>   | 25.9 kDa                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MIRLGWCARRLCSSAAVPAGRRGAAGGLGLAGGRALRVLVDMDGVLADFEGGFLR<br>KFRARFPDQPFIALEDRRGFVWSEQYGRRLRPLSEKAISIWESKNFFFELEPLPGAV<br>EAVKEMASLQNTDVFICTSPIKMFKYCPYEKYAWVEKYFGPDFLEQIVLTRDKTVVS<br>ADLLIDDRPDITGAEPTPSWEHVLFTACHNQHLQLQPPRRRLHSWADDWKAILDSK<br>RPCTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                         |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                          |

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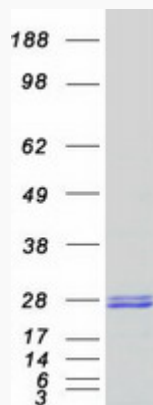
 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                                                 |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                                                                                                                               |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                                                     |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                             |
| <b>Gene Name</b>        | NT5M 5',3'-nucleotidase, mitochondrial [ Homo sapiens (human) ]                                                                                                                                                             |
| <b>Official Symbol</b>  | NT5M                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | NT5M; 5,3-nucleotidase, mitochondrial; 5 nucleotidase, mitochondrial; 5(3)-deoxyribonucleotidase, mitochondrial; dNT 2; dNT2; mdN; deoxy-5-nucleotidase 2; 5(3)-deoxyribonucleotidase; mitochondrial 5 nucleotidase; dNT-2; |
| <b>Gene ID</b>          | 56953                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>      | NM_020201                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>   | NP_064586                                                                                                                                                                                                                   |
| <b>MIM</b>              | 605292                                                                                                                                                                                                                      |
| <b>UniProt ID</b>       | Q9NPB1                                                                                                                                                                                                                      |

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**SDS-PAGE**

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