

# Recombinant Human NT5C1A Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** NT5C1A-4294H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | NT5C1A MS Standard C13 and N15-labeled recombinant protein (NP_115915) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | Cytosolic nucleotidases, such as NT5C1A, dephosphorylate nucleoside monophosphates.                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 41.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MEPGQPREPQEPREPGPGAETAAAPVWEEAKIFYDNLAPKKKPKSPKPQNAVITIAV<br>SSRALFRMDEEQQIYTEQGVVEEYVRYQLEHENEPFSPGPAFPFVKALEAVNRRLRE<br>LYPDSEDFDIVLMTNNHAQVGVRLINSINHYDLFIERFCMTGGNSPICYLKAYHTNL<br>YLSADAEKVREAIDEGIAAATIFSPSRDVVVSQSQLRVAFDGDAVLFSDESERIVKAH<br>GLDRFFEHEKAHENKPLAQGPLKGFLEALGRLQKKFYKGLRLECPIRTYLVARS<br>ASSGARALKTLRSWGLETDALFLAGAPKGPLLEKIRPHIFFDDQMFHVAGAQEMGT<br>VAAHVPYGVQAQTPRRTAPAKQAPSAQTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <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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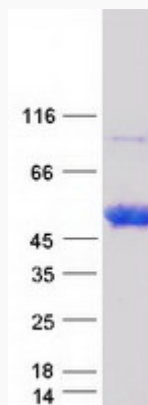
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|                         |                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>        | NT5C1A 5'-nucleotidase, cytosolic 1A [ Homo sapiens (human) ]                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>  | NT5C1A                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>         | NT5C1A; 5-nucleotidase, cytosolic 1A; cytosolic 5-nucleotidase 1A; AMP specific 5 NT; CN I; CN 1A; CN1; CN1A; cytosolic 5 nucleotidase; type 1A; cytosolic 5 nucleotidase 1A; MGC119199; MGC119201; AMP-specific 5-NT; cytosolic 5-nucleotidase 1A; cytosolic 5 nucleotidase, type 1A; CN-I; CN-1A; |
| <b>Gene ID</b>          | 84618                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_032526                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_115915                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>              | 610525                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>       | Q9BXI3                                                                                                                                                                                                                                                                                              |

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**SDS-PAGE**

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