

## Recombinant Human NT5C3A Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** NT5C3A-5423H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | NT5C3 MS Standard C13 and N15-labeled recombinant protein (NP_057573) 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 member of the 5'-nucleotidase family of enzymes that catalyze the dephosphorylation of nucleoside 5'-monophosphates. The encoded protein is the type 1 isozyme of pyrimidine 5' nucleotidase and catalyzes the dephosphorylation of pyrimidine 5' monophosphates. Mutations in this gene are a cause of hemolytic anemia due to uridine 5-prime monophosphate hydrolase deficiency. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and pseudogenes of this gene are located on the long arm of chromosomes 3 and 4. |
| <b>Molecular Mass</b>   | 33.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MTNQESAVHVKMMPEFQKSSVRIKNPTRVEEIIICGLIKGGAAKLQIITDFDMLSRFS<br>YKGKRCPTCHNIIDNCKLVTDECRKLLQLKEKYAIEVDPVLTVEEKYPYMVEWYT<br>KSHGLLVQQALPKAKLKEIVAESDVMLKEGYENFFDKLQQHSIPVFIFSAGIGDVLEE<br>VIRQAGVYHPNVKVVSNFMDFDETGVLKGFKGELIHVFNKHGDGALRNTEYFNQLKD<br>NSNIILLGDSQGDRLMADGVANVEHILKIGYLNDRVDELLEKYMDSYDIVLVQDESLE                                                                                                                                                                                                                                                                                  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

VANSILQKILTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <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. |
| <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.                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NT5C3A 5'-nucleotidase, cytosolic IIIA [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b> | NT5C3A                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>        | NT5C3A; 5'-nucleotidase, cytosolic IIIA; p36; PN-I; POMP; PSN1; UMPH; NT5C3; P5N-1; UMPH1; hUMP1; P5'N-1; cN-III; cytosolic 5'-nucleotidase 3A; 5'-nucleotidase, cytosolic III; 7-methylguanosine phosphate-specific 5'-nucleotidase; cytosolic 5'-nucleotidase 3; lupin; pyrimidine 5'-nucleotidase 1; uridine 5'-monophosphate hydrolase 1; EC 3.1.3.5; EC 3.1.3.91 |
| <b>Gene ID</b>         | 51251                                                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_016489                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>  | NP_057573                                                                                                                                                                                                                                                                                                                                                             |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

MIM 606224

UniProt ID Q9H0P0

SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

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