

#### Product datasheet for TP305629

### OriGene Technologies, Inc.

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# NT5C3 (NT5C3A) (NM\_016489) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human 5'-nucleotidase, cytosolic III (NT5C3), transcript variant 3, 20

μ

Species: Human
Expression Host: HEK293T

Expression cDNA Clone or AA Sequence:

>RC205629 protein sequence Red=Cloning site Green=Tags(s)

MTNQESAVHVKMMPEFQKSSVRIKNPTRVEEIICGLIKGGAAKLQIITDFDMTLSRFSYKGKRCPTCHNI IDNCKLVTDECRKKLLQLKEKYYAIEVDPVLTVEEKYPYMVEWYTKSHGLLVQQALPKAKLKEIVAESDV MLKEGYENFFDKLQQHSIPVFIFSAGIGDVLEEVIRQAGVYHPNVKVVSNFMDFDETGVLKGFKGELIHV FNKHDGALRNTEYFNQLKDNSNIILLGDSQGDLRMADGVANVEHILKIGYLNDRVDELLEKYMDSYDIVL

**VQDESLEVANSILQKIL** 

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK

Predicted MW: 33.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 057573

**Locus ID:** 51251



#### NT5C3 (NT5C3A) (NM\_016489) Human Recombinant Protein - TP305629

UniProt ID: Q9H0P0

RefSeq Size: 1846 Cytogenetics: 7p14.3 RefSeq ORF: 891

Synonyms: cN-III; hUMP1; NT5C3; P5'N-1; P5N-1; p36; PN-I; POMP; PSN1; UMPH; UMPH1

Summary: 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

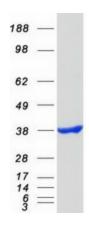
are located on the long arm of chromosomes 3 and 4. [provided by RefSeq, Mar 2012]

**Protein Families:** Transmembrane

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

metabolism

# **Product images:**



Coomassie blue staining of purified NT5C3A protein (Cat# TP305629). The protein was produced from HEK293T cells transfected with NT5C3A cDNA clone (Cat# [RC205629]) using MegaTran 2.0 (Cat# [TT210002]).