

Recombinant Human NT5C3A protein, His & T7-tagged

Cat. No. NT5C3A-1078H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NT5C3A aa. (Val8~Val289 fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val8~Val289
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.0kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	NT5C3A 5'-nucleotidase, cytosolic IIIA [Homo sapiens (human)]
Official Symbol	NT5C3A
Synonyms	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 nucleotidase; 7-methylguanosine phosphate-specific 5'-nucleotidase; cytosolic 5'-nucleotidase 3; lupin; pyrimidine 5'-nucleotidase 1; uridine 5'-monophosphate hydrolase 1

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Gene ID	51251
mRNA Refseq	NM_001002009.2
Protein Refseq	NP_001002009.1
UniProt ID	Q9H0P0
SDS-PAGE	