Full-Length

NT5C3 (Human) Recombinant Protein (P01)

Catalog # H00051251-P01 Size 50 ug

Specification

Product Description	Human NT5C3 full-length ORF (ABW03538.1, 1 a.a. - 286 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MMPEFQKSSVRIKNPTRVEEIICGLIKGGAAKLQIITDFDMTLSRFSYKGKRCPTCHNIIDNCKLVTDE CRKKLLQLKEKYYAIEVDPVLTVEEKYPYMVEWYTKSHGLLVQQALPKAKLKEIVAESDVMLKEGY ENFFDKLQQHSIPVFIFSAGIGDVLEEVIRQAGVYHPNVKVVSNFMDFDETGVLKGFKGELIHVFNK HDGALRNTEYFNQLKDNSNIILLGDSQGDLRMADGVANVEHILKIGYLNDRVDELLEKYMDSYDIVL VQDESLEVANSILQKIL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	57.86
Interspecies Antigen Sequence	Mouse (93); Rat (93)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production

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- Protein Array

Gene Info — NT5C3

Entrez GeneID	51251
GeneBank Accession#	EU176737.1
Protein Accession#	ABW03538.1
Gene Name	NT5C3
Gene Alias	MGC27337, MGC87109, MGC87828, P5'N-1, PN-I, PSN1, UMPH, UMPH1, cN-III
Gene Description	5'-nucleotidase, cytosolic III
Omim ID	266120 606224
Gene Ontology	Hyperlink
Gene Summary	Pyrimidine 5-prime-nucleotidase (P5N; EC 3.1.3.5), also called uridine 5-prime monophosphate hydrolase (UMPH), catalyzes the dephosphorylation of the pyrimidine 5-prime monophosphates U MP and CMP to the corresponding nucleosides. There are 2 isozymes of pyrimidine 5-prime nucl eotidase in red blood cells, referred to as type I (UMPH1) and type II (UMPH2; MIM 191720). The 2 enzymes are not separable by electrophoresis in humans but have distinct kinetic properties, an d the proteins show no homology.[supplied by OMIM
Other Designations	pyrimidine 5'-nucleotidase|uridine 5' monophosphate hydrolase 1

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Metabolic pathways
- Nicotinate and nicotinamide metabolism
- Purine metabolism
- Pyrimidine metabolism

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