

Product Information

MemDX™ Membrane Protein Human NT5C3 (5'-nucleotidase, cytosolic IIIA)

Cat. No.: **MP0226J**

This product is for research use only and is not intended for diagnostic use.

This product is a 33.7 kDa Human NT5C3 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

NT5C3

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

33.7 kDa

Sequence

MTNQESAVHVKMMPEFQKSSVRIKNPTRVEEIIICGLIKGGAALKQIITDFDMTSLRFSYKGKRCPTCHNI
IDNCKLVTDECRKLLQLKEKYAIEVDPVLTVEEKYPYMVEWYTKSHGLLVQQALPKAKLKEIVAESDV
MLKEGYENFFDKLQQHSIPVFIFSAGIGDVL EEVIRQAGVYHPNVKVVS NFMDFDETGV LKGFGKELIHV
FNKHDGALRNTEYFNQLKD NSNIILLGDSQGD LRMADGVANVEHILKIGYLNDRVDELLEKYMDSYDIVL
VQDESLEVANSILQKIL

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

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

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

NT5C3

Full Name

5'-nucleotidase, cytosolic IIIA

Introduction

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.

Alternative Names

p36; PN-I; POMP; PSN1; UMPH; NT5C3; P5N-1; UMPH1; hUMP1; P5'N-1; cN-III; cytosolic 5'-nucleotidase 3A; 7-methylguanosine phosphate-specific 5'-nucleotidase; pyrimidine 5'-nucleotidase 1

Gene ID

[51251](#)

UniProt ID

[Q9H0P0](#)