

Product datasheet for **TP304021M**

Inosine triphosphate pyrophosphatase (ITPA) (NM_033453) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human inosine triphosphatase (nucleoside triphosphate pyrophosphatase) (ITPA), transcript variant 1, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC204021 protein sequence
Red=Cloning site **Green**=Tags(s)

MAASLVGKKIVFTGNNAKKLEEVVQILGDKFPCTLVAQKIDLPYQGEPEDEISIQKCQEAVRQVQGPVLV
EDTCLCFNALGGLPGPIYIKWFLEKLPKPEGLHQLLAGFEDKSAYALCTFALSTGDPSQPVRLFRGRTSGRI
VAPRGCQDFGWDPFCFQPDGYEQTYAEMPKAEKNAVSHRFRALLELQYFGSLAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 21.3 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_258412](#)

Locus ID: 3704

UniProt ID: [Q9BY32](#), [A0A0S2Z3W7](#)



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RefSeq Size: 1202

Cytogenetics: 20p13

RefSeq ORF: 582

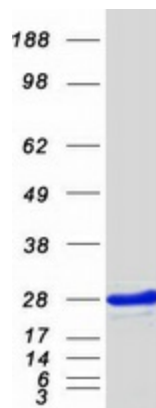
Synonyms: C20orf37; DEE35; dj794I6.3; HLC14-06-P; ITPase; My049; NTPase

Summary: This gene encodes an inosine triphosphate pyrophosphohydrolase. The encoded protein hydrolyzes inosine triphosphate and deoxyinosine triphosphate to the monophosphate nucleotide and diphosphate. This protein, which is a member of the HAM1 NTPase protein family, is found in the cytoplasm and acts as a homodimer. Defects in the encoded protein can result in inosine triphosphate pyrophosphorylase deficiency which causes an accumulation of ITP in red blood cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]

Protein Families: Druggable Genome

Protein Pathways: Drug metabolism - other enzymes, Metabolic pathways, Purine metabolism, Pyrimidine metabolism

Product images:



Coomassie blue staining of purified ITPA protein (Cat# [TP304021]). The protein was produced from HEK293T cells transfected with ITPA cDNA clone (Cat# [RC204021]) using MegaTran 2.0 (Cat# [TT210002]).