

Recombinant Human ITPA Protein, His-tagged

Cat. No. ITPA-912H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITPA(Met1-Ala194), transcript variant 1, fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-194 a.a.
Description	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.
Form	20mM Tris-HCl, pH 8.0. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	22.5 kDa
Endotoxin	< 0.1 EU per g protein as determined by LAL test
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name ITPA inosine triphosphatase (nucleoside triphosphate pyrophosphatase) [Homo sapiens]

Official Symbol ITPA

Synonyms ITPA; inosine triphosphatase (nucleoside triphosphate pyrophosphatase); C20orf37; inosine triphosphate pyrophosphatase; dJ794I6.3; HLC14 06 P; NTPase; My049 protein; inosine triphosphatase-A; putative oncogene protein HLC14-06-P; nucleoside triphosphate diphosphatase; nucleoside-triphosphate diphosphatase; non-standard purine NTP pyrophosphatase; nucleoside-triphosphate pyrophosphatase; non-canonical purine NTP pyrophosphatase; inosine triphosphate pyrophosphohydrolase; ITPase; HLC14-06-P;

Gene ID 3704

mRNA Refseq NM_033453

Protein Refseq NP_258412

MIM 147520

UniProt ID Q9BY32

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