

Recombinant Human ITPA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ITPA-2957H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ITPA MS Standard C13 and N15-labeled recombinant protein (NP_258412) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	21.4 kDa
AA Sequence	MAASLVGKKIVFVTGNAKKLEEVVQILGDKFPCTLVAQKIDLPEYQGEPDEISIQKCQ EAVRQVQGPVLVEDTCLCFNALGGLPGPYIKWFLEKLKPEGLHQLLAGFEDKSAYAL CTFALSTGDPSQPVRLFRGRTSGRIVAPRGCQDFGWDPFCFQPDGYEQTYAEMPKA EKNAVSHRFRALLELQEYFGSLAATRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	ITPA inosine triphosphatase [Homo sapiens (human)]
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

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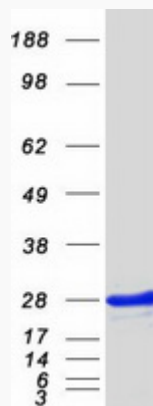
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UniProt ID

Q9BY32

SDS-PAGE

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