Recombinant Full Length Human ITPA Protein, GST-tagged

Cat. No. ITPA-5837HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITPA full-length ORF (AAH10138, 1 a.a. - 194 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	194 amino acids
Description	The protein encoded by this gene hydrolyzes inosine triphosphate and deoxyinosine triphosphate to the monophosphate nucleotide and diphosphate. The encoded 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. Two transcript variants encoding two different isoforms have been found for this gene. Also, at least two other transcript variants have been identified which are probably regulatory rather than protein-coding. [provided by RefSeq
Molecular Mass	47.08 kDa
AA Sequence	MAASLVGKKIVFVTGNAKKLEEVVQILGDKFPCTLVAQKIDLPEYQGEPDEISIQKCQ EAVRQVQGPVLVEDTCLCFNALGGLPGPYIKWFLEKLKPEGLHQLLAGFEDKSAYAL CTFALSTGDPSQPVRLFRGRTSGRIVAPRGCQDFGWDPCFQPDGYEQTYAEMPKA EKNAVSHRFRALLELQEYFGSLAA

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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MIM	147520
UniProt ID	Q9BY32

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