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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ITPA (Human) Recombinant Protein (P01)

Catalog Number: H00003704-P01

Regulation Status: For research use only (RUO)

Product Description: Human ITPA full-length ORF (AAH10138, 1 a.a. - 194 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
MAASLVGKKIVFVTGNAKKLEEVVQILGDKFPCTLVAQ KIDLPEYQGEPDEISIQKCQEAVRQVQGPVLVEDTCLC FNALGGLPGPYIKWFLEKLKPEGLHQLLAGFEDKSAYA LCTFALSTGDPSQPVRLFRGRTSGRIVAPRGCQDFGW DPCFQPDGYEQTYAEMPKAEKNAVSHRFRALLELQEY FGSLAA

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 47.08

Interspecies Antigen Sequence: Mouse (90); Rat (92)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Preparation Method: *in vitro* wheat germ expression system

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3704

Gene Symbol: ITPA

Gene Alias: C20orf37, HLC14-06-P, ITPase, dJ794I6.3

Gene Summary: 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]

References:
1. Erythrocyte Inosine Triphosphatase Activity Is Decreased in HIV-Seropositive Individuals. Bierau J, Bakker JA, Schippers JA, Grashorn JA, Lindhout M, Lowe SH, Paulussen AD, Verbon A. PLoS One. 2012;7(1):e30175. Epub 2012 Jan 17.