

Product datasheet for AR09576PU-L

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ITPA (1-194, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: ITPA (1-194, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MMAASLVGKK IVFVTGNAKK LEEVVQILGD KFPCTLVAQK IDLPEYQGEP DEISIQKCQE AVRQVQGPVL VEDTCLCFNA LGGLPGPYIK WFLEKLKPEG

LHQLLAGFED KSAYALCTFA LSTGDPSQPV RLFRGRTSGR IVAPRGCQDF GWDPCFQPDG

YEQTYAEMPK AEKNAVSHRF RALLELQEYF GSLAA

Tag: His-tag
Predicted MW: 23.7 kDa
Concentration: lot specific

Purity: >95% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Preparation: Liquid purified protein

Protein Description: Recombinant human ITPA protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeg: NP 001254552

 Locus ID:
 3704

 UniProt ID:
 Q9BY32

 Cytogenetics:
 20p13

Synonyms: Inosine triphosphatase, ITPase, C20orf37





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

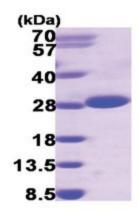
variants. [provided by RefSeq, Jun 2012]

Protein Families: Druggable Genome

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

metabolism

Product images:



15% SDS-PAGE (3ug)