



## Datasheet for ABIN2723912 ITPA Protein (Transcript Variant 1) (His tag)



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### 1 Image

#### Overview

Quantity:	10 µg
Target:	ITPA
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITPA protein is labelled with His tag.
Application:	Antibody Production (AbP), Standard (STD)

#### Product Details

Characteristics:	<ul style="list-style-type: none"><li>Recombinant human ITPA (transcript variant 1) protein expressed in E. coli.</li><li>Produced with end-sequenced ORF clone</li></ul>
Purity:	> 95 % as determined by SDS-PAGE and Coomassie blue staining
Endotoxin Level:	< 0.1 EU per µg protein as determined by LAL test

#### Target Details

Target:	ITPA
Alternative Name:	Itpa ( <a href="#">ITPA Products</a> )
Background:	This gene encodes an inosine triphosphate pyrophosphohydrolase. The encoded protein hydrolyzes inosine triphosphate and deoxyinosine triphosphate to the monophosphate

## Target Details

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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.

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Molecular Weight: 22.5 kDa

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NCBI Accession: [NP\\_258412](#)

## Application Details

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Application Notes: Recombinant human proteins can be used for:  
Native antigens for optimized antibody production  
Positive controls in ELISA and other antibody assays

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Comment: The tag is located at the C-terminal.

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Restrictions: For Research Use only

## Handling

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Concentration: 50 µg/mL

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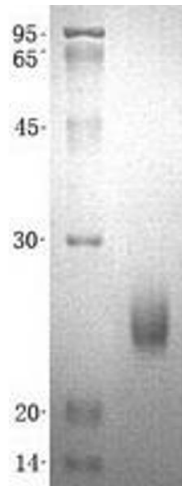
Buffer: 20 mM Tris-HCl, pH 8.0. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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Storage: -80 °C

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Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



### Western Blotting

**Image 1.** Validation with Western Blot