Recombinant Human Inosine triphosphate pyrophosphatase (ITPA)

Product Code	CSB-BP874838HU
Abbreviation	ITPA
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9BY32
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AASLVGKKI VFVTGNAKKL EEVVQILGDK FPCTLVAQKI DLPEYQGEPD EISIQKCQEA VRQVQGPVLV EDTCLCFNAL GGLPGPYIKW FLEKLKPEGL HQLLAGFEDK SAYALCTFAL STGDPSQPVR LFRGRTSGRI VAPRGCQDFG WDPCFQPDGY EQTYAEMPKA EKNAVSHRFR ALLELQEYFG SLAA
Source	Baculovirus
Target Names	ITPA
Protein Names	Recommended name: Inosine triphosphate pyrophosphatase Short name= ITPase Short name= Inosine triphosphatase EC= 3.6.1.19 Alternative name(s): Non-canonical purine NTP pyrophosphatase Non-standard purine NTP pyrophosphatas
Expression Region	2-194
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final

	concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.