Recombinant Human Bifunctional purine biosynthesis protein PURH (ATIC)

Product Code	CSB-EP002299HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P31939
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MAPGQLALFS VSDKTGLVEF ARNLTALGLN LVASGGTAKA LRDAGLAVRD VSELTGFPEM LGGRVKTLHP AVHAGILARN IPEDNADMAR LDFNLIRVVA CNLYPFVKTV ASPGVTVEEA VEQIDIGGVT LLRAAAKNHA RVTVVCEPED YVVVSTEMQS SESKDTSLET RRQLALKAFT HTAQYDEAIS DYFRKQYSKG VSQMPLRYGM NPHQTPAQLY TLQPKLPITV LNGAPGFINL CDALNAWQLV KELKEALGIP AAASFKHVSP AGAAVGIPLS EDEAKVCMVY DLYKTLTPIS AAYARARGAD RMSSFGDFVA LSDVCDVPTA KIISREVSDG IIAPGYEEEA LTILSKKKNG NYCVLQMDQS YKPDENEVRT LFGLHLSQKR NNGVVDKSLF SNVVTKNKDL PESALRDLIV ATIAVKYTQS NSVCYAKNGQ VIGIGAGQQS RIHCTRLAGD KANYWWLRHH PQVLSMKFKT GVKRAEISNA IDQYVTGTIG EDEDLIKWKA LFEEVPELLT EAEKKEWVEK LTEVSISSDA FFPFRDNVDR AKRSGVAYIA APSGSAADKV VIEACDELGI ILAHTNLRLF HH
Source	E.coli
Target Names	ATIC
Protein Names	Recommended name: Bifunctional purine biosynthesis protein PURH Including the following 2 domains: Phosphoribosylaminoimidazolecarboxamide formyltransferase EC= 2.1.2.3 Alternative name(s): 5-aminoimidazole-4-carboxamide ribonucleot
Expression Region	1-592
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 protein
Target Details	This gene encodes a bifunctional protein that catalyzes the last two steps of the de novo purine biosynthetic pathway. The N-terminal domain has phosphoribosylaminoimidazolecarboxamide formyltransferase activity, and the C-terminal domain has IMP cyclohydrolase activity. A mutation in this gene results in AICA-ribosiduria.
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.