

Bifunctional purine biosynthesis protein PURH (ATIC) Recombinant Protein | ATIC recombinant protein

Recombinant Chicken Bifunctional purine biosynthesis protein PURH (ATIC), partial

CATALOG #
AAA113954

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Bifunctional purine biosynthesis protein PURH (ATIC); Recombinant Chicken Bifunctional purine biosynthesis protein PURH (ATIC); partial; ATIC recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	17-315aa; partial
Sequence	GLVEFARSLN ALGLGLIASG GTATALRDAG LPVRDVSDLT GFPEMLGGRV KTLHPAVHAG ILARNIPEDN ADMNKQDFSL VRVVVCNLYP FVKTVSSPGV TVPEAVEKID IGGVALLRAA AKNHARVTW CDPADYSSVA KEMAASKDKD TSVETRRHLA LKAFHTAQY DAAISDYFRK EYSGVSQLP LRYGMNPHQS PAQLYTTRPK LPLTVVNGSP GFINLCDALN AWQLVKELKQ ALGIPAAASF KHVSPAGAAV GIPLSEEEAQ VCMVHDLHKT LTPLASAYAR SRGADRMSS
Species	Chicken
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for ATIC recombinant protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45384004
NCBI GeneID	396091
NCBI Accession #	NP_990509.1
NCBI GenBank Nucleotide #	NM_205178.1
UniProt Accession #	P31335
Molecular Weight	64,415 Da
NCBI Official Full Name	bifunctional purine biosynthesis protein PURH
NCBI Official Synonym Full Names	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase
NCBI Official Symbol	ATIC
NCBI Official Synonym Symbols	PURH

NCBI Protein Information	bifunctional purine biosynthesis protein PURH
UniProt Protein Name	Bifunctional purine biosynthesis protein PURH
UniProt Gene Name	ATIC
UniProt Synonym Gene Names	PURH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/atic-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113954>