

ATP synthase F (0) complex subunit B1, mitochondrial (ATP5PB) Recombinant Protein | ATP5PB recombinant protein

Recombinant Human ATP synthase F (0) complex subunit B1, mitochondrial (ATP5PB)

CATALOG # AAA113605	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

ATP synthase F (0) complex subunit B1; mitochondrial (ATP5PB); Recombinant Human ATP synthase F (0) complex subunit B1; ATP5PB 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	43-256aa; Full Length of Mature Protein
Sequence	PVPPLPEYGG KVRVGLIPEE FFQFLYPKTG VTGPYVLGTG LILYALSKEI YVISAETFTA LSVLGVMVYG IKKYGPFVAD FADKLNEQKL AQLLEAKQAS IQHIQNAIDT EKSQQALVQK RHYLFDVQRN NIAMALEVTY RERLYRVYKE VKNRLDYHIS VQNMRRKEQ EHMINWVEKH VVQSISTQQE KETIAKCIAD LKLLAKKAQA QPVM
Species	Human
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 ATP5PB recombinant protein	This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F ₁ , and the membrane-spanning component, F _o , comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel seems to have nine subunits (a, b, c, d, e, f, g, F ₆ and 8). This gene encodes the b subunit of the proton channel.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361565
NCBI GeneID	515
NCBI Accession #	NP_001679.2
NCBI GenBank Nucleotide #	NM_001688.4
UniProt Accession #	P24539 ; Q9BQ68 ; Q9BRU8
Molecular Weight	28,909 Da
NCBI Official Full Name	ATP synthase F(0) complex subunit B1, mitochondrial
NCBI Official Synonym Full Names	ATP synthase peripheral stalk-membrane subunit b
NCBI Official Symbol	ATP5PB

NCBI Official Synonym Symbols	PIG47; ATP5F1
NCBI Protein Information	ATP synthase F(0) complex subunit B1, mitochondrial
UniProt Protein Name	ATP synthase F(0) complex subunit B1, mitochondrial
UniProt Gene Name	ATP5F1
UniProt Synonym Gene Names	ATPase subunit b

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/atp5f1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113605>