

ATP synthase subunit f, mitochondrial (ATP5J2) Recombinant Protein | ATP5MF recombinant protein

Recombinant Human ATP synthase subunit f, mitochondrial (ATP5J2)

CATALOG #
AAA279283

HOST
in vitro E coli expression system

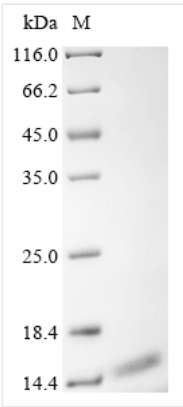
PRODUCT SYNONYMS

ATP synthase subunit f; mitochondrial (ATP5J2); Recombinant Human ATP synthase subunit f; ATP synthase membrane subunit f; ATP5MF recombinant protein

PRODUCT SPECIFICATIONS

Host	in vitro E coli expression system
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Liquid or Lyophilized powder If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8
Sequence Positions	1-94aa; Full Length Protein
Sequence	MASVGEC PAP VPVKDKK LLE VKLGELPSWI LMRDFSPSGI FGAFQRGYR YYNKYINVKK GSISGITMVL ACYVLFSYSF SYKHLKHERL RKYH
Species	Homo sapiens (Human)
Tag	N-terminal 10xHis-tagged
Research Area	Others
Transmembrane Domain	1TM
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. 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 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for ATP5MF recombinant protein	Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain. Minor subunit located with subunit a in the membrane.
Product Categories/Family for ATP5MF recombinant protein	CF Transmembrane Protein & In Stock Protein
References	"Dimer ribbons of ATP synthase shape the inner mitochondrial membrane."Strauss M., Hofhaus G., Schroder R.R., Kuhlbrandt W.EMBO J 27:1154-1160(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	51479129
NCBI GeneID	9551
NCBI Accession #	NP_001003713.1
NCBI GenBank Nucleotide #	NM_001003713.2
UniProt Accession #	P56134; O76079; Q6IBB3; Q96L83; Q9BTI8; C9J8H9; F8W7V3
Molecular Weight	10,918 Da
NCBI Official Full Name	ATP synthase subunit f, mitochondrial isoform 2b
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2
NCBI Official Symbol	ATP5J2
NCBI Official Synonym Symbols	ATP5JL
NCBI Protein Information	ATP synthase subunit f, mitochondrial; F1F0-type ATPase subunit f; F1Fo-ATPase synthase f subunit; ATP synthase f chain, mitochondrial; F1Fo-ATP synthase complex Fo membrane domain f subunit; ATP synthase, H+ transporting, mitochondrial F0 complex, subuni
UniProt Protein Name	ATP synthase subunit f, mitochondrial
UniProt Gene Name	ATP5J2

UniProt Synonym Gene Names	ATP5JL
UniProt Entry Name	ATPK_HUMAN

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://www.aaabiotech.com/atp5j2-recombinant-protein-e-coli/279283>