Recombinant Human ATP5F1B Protein (230-529 aa), His-SUMO-Myc-tagged

Cat. No. ATP5F1B-2314H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP5F1B Protein (230-529 aa) is produced by E. coli expression system. This protein is fused with a 10xHis-SUMO tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Tags & Cell Markers. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	230-529 aa
Description	Mitochondrial membrane ATP synthase (F1F0 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, F1 - containing the extramembraneous catalytic core, and F0 - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Subunits alpha and beta form the catalytic core in F1. Rotation of the central stalk against the surrounding alpha3beta3 subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits.
Form	Tris-based buffer,50% glycerol

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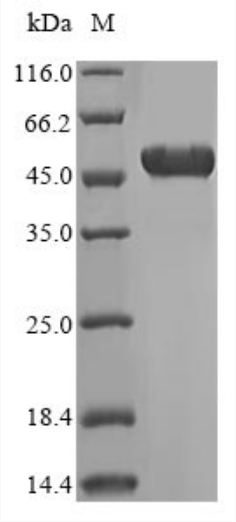
Molecular Mass	52.8 kDa
AA Sequence	YSVFAGVGERTREGNDLYHEMIESGVINL kDaTSKVALVYGQMNEPPGARARVALT GLTVAEYFRDQEGQDVLLFIDNIFRFTQAGSEVSALLGRIPSAVGYQPTLATDMGTM QERITTTKKGSITSVQAIYVPADDLTDPAPATTFAHLDATTVLSRAIAELGIYPAVDPLD STSRIMDPNIVGSEHYDVARGVQKILQDYKSLQDIIAILGMDELSEEDKLTVSRARKIQ RFLSQPFQVAEVFTGHMGKLVPLKETIKGFQQILAGEYDHLPEQAFYMVGPIEEAVA KADKLAEEHSS
Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	ATP5F1B ATP synthase F1 subunit beta [Homo sapiens (human)]
Official Symbol	ATP5F1B
Synonyms	ATP5F1B; ATP5B; ATPMB; ATPSB; HEL-S-271;
Gene ID	506

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mRNA Refseq	NM_001686
Protein Refseq	NP_001677
UniProt ID	P06576



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

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