

Recombinant Human ATP5F1, His-tagged

Cat. No. ATP5F1-37H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP Synthase Subunit B Mitochondrial/ATP5F1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Pro43-Met256) of Human ATP5F1 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	43-256 a.a.
AA Sequence	PVPPLPEYGGKVRYGLIPEEFFQFLYPKTGVTGPYVLGTGLILYALSKEIYVISAETFT ALSVLG VMVYGIKKYGPFVADFADKLNEQKLAQLEEAKQASIQHIQNAIDTEKSQQA LVQKRHYLFDVQRN NIAMALEVTYRERLYRVYKEVKNRLDYHISVQNMMRRKEQE HMINWVEKHVVQSISTQQEKETIA KCIADLKLLAKKAQAQPVMVDHHHHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

Gene Name	ATP5F1 ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit B1 [Homo sapiens]
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Official Symbol	ATP5F1
Synonyms	ATP5F1; ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit B1; ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit b, isoform 1 , ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit B1; ATP synthase subunit b, mitochondrial; ATPase subunit b; H ⁺ -ATP synthase subunit b; ATP synthase B chain, mitochondrial; cell proliferation-inducing protein 47; ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit B1; ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit b, isoform 1; PIG47; MGC24431;
Gene ID	515
mRNA Refseq	NM_001688
Protein Refseq	NP_001679
MIM	603270
UniProt ID	P24539
Chromosome Location	1p13.2
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; F-type ATPase, eukaryotes, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem;
Function	contributes_to ATPase activity; hydrogen ion transmembrane transporter activity; hydrogen ion transporting ATP synthase activity, rotational mechanism; protein

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binding; transmembrane transporter activity;

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