

Recombinant Human ATP5F1, His-tagged

ATP5F1-37H Human

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.
Source	HEK293
Species	Human
Tag	His
AA Sequence	PVPPLPEYGGKVRYGLIPEEFFQFLYPKTGVTGPYVLGTGLILYALSKEIYVISAETFTALSVLG VMVYGIKKYGPFVADFADKLNEQKLAQLEEAKQASIQHIQNAIDTEKSQQALVQKRHYLFDVQRN NIAMALEVTYRERLYRVYKEVKNRLDYHISVQNMMRRKEQEHMINWVEKHVVQSISTQQEKETIA KCIADLKLAKKAQAQPVMVDHHHHHH
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]
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

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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 binding; transmembrane transporter activity;

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