

Recombinant Human ATP5PF Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ATP5PF-2034H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATP5J MS Standard C13 and N15-labeled recombinant protein (NP_001676) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, which comprises the proton channel. The F1 complex consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled in a ratio of 3 alpha, 3 beta, and a single representative of the other 3. The Fo complex has nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the F6 subunit of the Fo complex. The F6 subunit is required for F1 and Fo interactions. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. This gene has 1 or more pseudogenes.
Molecular Mass	12.59 kDa
AA Sequence	MILQRLFRFSSVIRSAVSVHLRRNIGVTAVAFNKELDPIQKLFVDKIREYKSKRQTSGG PVDASSEYQQELERELFKLKQMFGNADMNTFPTFKFEDPKFEVIEKPQATRTRPLE QKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ATP5PF ATP synthase peripheral stalk subunit F6 [Homo sapiens (human)]
Official Symbol	ATP5PF
Synonyms	ATP5PF; ATP synthase peripheral stalk subunit F6; F6; CF6; ATP5; ATPM; ATP5A; ATP5J; ATP synthase-coupling factor 6, mitochondrial; ATP synthase subunit h; ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit F6; ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit F6; ATPase subunit F6; coupling factor 6; mitochondrial ATP synthase, coupling factor 6; mitochondrial ATP synthase, subunit F6; mitochondrial ATPase coupling factor 6; proliferation-inducing protein 36; EC 3.6.1.14
Gene ID	522
mRNA Refseq	NM_001685
Protein Refseq	NP_001676

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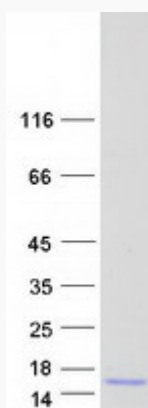
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MIM 603152

UniProt ID P18859

SDS-PAGE



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