

Recombinant Full Length Human ATP5MG Protein, His tagged

Cat. No. ATP5MG-08HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human ATP synthase subunit G (ATP5L), full length, with N-terminal His-PDCD1(Pro21-Val170) tag, expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-103 aa
Description	Mit centigradehondrial ATP synthase catalyzes ATP synthesis, utilizing an electr centigradechemical 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 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the g subunit of the Fo complex. Alternative splicing results in multiple transcript variants.
Form	50 mM Tris-HCl, pH 8.0, 8 M urea
Molecular Mass	29.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration pr centrifuge.
Storage	Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	> 0.05 µg/µL as determined by microplate BCA method
GENE INFORMATION	
Gene Name	ATP5MG ATP synthase membrane subunit g [Homo sapiens (human)]
Official Symbol	ATP5MG
Synonyms	ATP5MG; ATP synthase membrane subunit g; ATP5L; ATP5JG; ATP synthase F(0) complex subunit g, mit centigradehondrial; ATP synthase g chain, mit centigradehondrial; ATP synthase subunit g, mit centigradehondrial; ATP synthase, H ⁺ transporting, mit centigradehondrial F0 complex, subunit G; ATP synthase, H ⁺ transporting, mit centigradehondrial F1F0, subunit g; ATP synthase, H ⁺ transporting, mit centigradehondrial Fo complex subunit G; ATPase subunit G; F1F0-type ATP synthase subunit g; F1Fo-ATP synthase complex Fo membrane domain g subunit; EC 3.6.1.14
Gene ID	10632
mRNA Refseq	NM_006476
Protein Refseq	NP_006467
MIM	617473

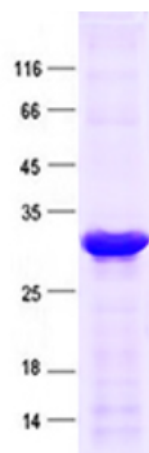
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UniProt ID

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