

Recombinant Human ATP5D, His tagged

Cat. No. ATP5D-364H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP5D (P30049) (Ala23-Glu168), fused with a polyhistidine tag at the N-terminus, was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	23-168 a.a.
Predicted N Terminal	His
Form	Lyophilized from sterile PBS, 10% Glycerol, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	The recombinant human ATP5D consists of 161 amino acids and predicts a molecular mass of 16.9 KDa. It migrates as an approximately 17 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>85 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.
Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name

ATP5D ATP synthase, H⁺ transporting, mitochondrial F1 complex, delta subunit [Homo sapiens]

Official Symbol

ATP5D

Gene ID

513

mRNA Refseq

NM_001001975

Protein Refseq

NP_001001975

MIM

603150

UniProt ID

P30049

**Chromosome
Location**

19p13.3

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