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Product datasheet for AR51336PU-N

ATP5F1 (83-256, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	ATP5F1 (83-256, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSLILYALS KEIYVISAET FTALSVLGVM VYGIKKYGPF VADFADKLNE QKLAQLEEAK QASIQHIQNA IDTEKSQQAL VQKRHYLFDV QRNNIAMALE VTYRERLYRV YKEVKNRLDY HISVQNMMRR KEQEHMINWV EKHVVQSIST QQEKETIAKC IADLKLLAKK AQAQPVM
Tag:	His-tag
Predicted MW:	22.6 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ATP5F1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001679
Locus ID:	515
UniProt ID:	P24539, Q08ET0
Cytogenetics:	1p13.2
Synonyms:	ATP synthase subunit b, ATP synthase proton-transporting mitochondrial F(0) complex subunit B1, ATP synthase F(0) complex subunit B1

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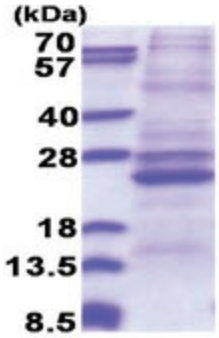
Summary: This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the b subunit of the proton channel. [provided by RefSeq, Jul 2008]

Protein Pathways: Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

Product images:



15% SDS-PAGE (3ug)

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