

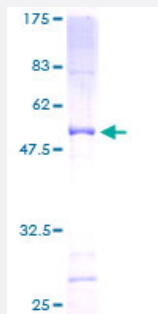
Full-Length

ATP5O (Human) Recombinant Protein (P01)

Catalog # H00000539-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ATP5O full-length ORF (AAH21233, 1 a.a. - 213 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAAPAVSGLSRQVRCLSTSVVRPFAKLVRPPVQVYGIEGRYATALYSAASKQNKLEQVEKELLRV AQILKEPKVAASVLNPYVKRSIKVKSLNDITAKERFSPLTTNLINLLAENGRLSNTQGVVSAFSTMM SVHRGEVPCTVTSASPLEEATLSELKTVLKSFLSQGQVLKLEAKTDPSILGGMVRIGEKYVDMSV KTKIQKLGRAMREIV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	49.17
Interspecies Antigen Sequence	Mouse (82); Rat (81)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ATP5O

Entrez GeneID	539
GeneBank Accession#	BC021233
Protein Accession#	AAH21233
Gene Name	ATP5O
Gene Alias	ATPO, OSCP
Gene Description	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, O subunit
Omim ID	600828
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a component of the F-type ATPase found in the mitochondria l matrix. F-type ATPases are composed of a catalytic core and a membrane proton channel. The encoded protein appears to be part of the connector linking these two components and may be involved in transmission of conformational changes or proton conductance. [provided by RefSeq
Other Designations	human ATP synthase OSCP subunit mitochondrial ATP synthase, O subunit oligomycin sensitivity conferring protein

Pathway

- [Metabolic pathways](#)

- [Oxidative phosphorylation](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)