

Product datasheet for **AR09787PU-N**

ATP synthase subunit O (24-213, His-tag) Human Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | ATP synthase subunit O (24-213, His-tag) human recombinant protein, 0.1 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MFAKLVRPPV</u> QVYGIEGRYA TALYSAASKQ NKLEQVEKEL LRVAQILKEP KVAASVLNPY VKRSIKVKSL NDITAKERFS PLTTNLLINLL AENGRLSNTQ GVSFAFSTMM SVHRGEVPCT VTSASPLEEA TLSELKTVLK SFLSQGQVLK LEAKTDPSIL GGMIVRIGEK YVDMSVKTKI QKLGRAMREI V |
| Tag: | His-tag |
| Predicted MW: | 23.1 kDa |
| Concentration: | lot specific |
| Purity: | >95% |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 40% glycerol, 0.2M NaCl |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant human ATP5O protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| Storage: | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | <u>NP_001688</u> |
| Locus ID: | 539 |
| UniProt ID: | <u>P48047</u> |
| Cytogenetics: | 21q22.11 |
| Synonyms: | ATP5O; ATPO; HMC08D05; OSCP |

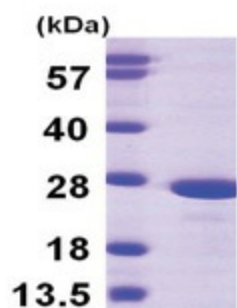


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Summary: The protein encoded by this gene is a component of the F-type ATPase found in the mitochondrial matrix. F-type ATPases are composed of a catalytic core and a membrane proton channel. The encoded protein appears to be part of the connector linking these two components and may be involved in transmission of conformational changes or proton conductance. [provided by RefSeq, Jul 2008]

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

Product images:



15% SDS-PAGE (3ug)