

Product datasheet for PH304991

ATP5PO (NM_001697) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ATP5O MS Standard C13 and N15-labeled recombinant protein (NP_001688)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204991
Predicted MW:	23.3 kDa
Protein Sequence:	>RC204991 protein sequence Red=Cloning site Green=Tags(s) MAAPAVSGLSRQVRCFSTSVVRPFAKLVRPPVQVYGIEGRYATALYSAASKQNKLEQVEKELLRVAQILK EPKVAASVLNPPYVKRSIKVKSLNDITAKERFSPLTTNLINLLAENGRLSNTQGVVSAFSTMMSVHRGEVP CTVTSASPLEEATLSELKTVLKSFLSQGQVLKLEAKTDPSILGGMIVRIGEKEYVDMSVKTKIQKLGAMR EIV TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001688
RefSeq Size:	815
RefSeq ORF:	639
Synonyms:	ATP5O; ATPO; HMC08D05; OSCP
Locus ID:	539
UniProt ID:	P48047



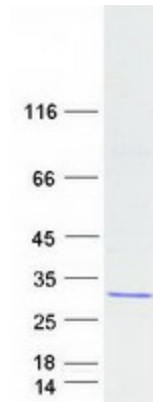
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Cytogenetics: 21q22.11

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:



Coomassie blue staining of purified ATP5PO protein (Cat# [TP304991]). The protein was produced from HEK293T cells transfected with ATP5PO cDNA clone (Cat# [RC204991]) using MegaTran 2.0 (Cat# [TT210002]).