

Product datasheet for PH309007

ATP6V0D2 (NM_152565) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ATP6V0D2 MS Standard C13 and N15-labeled recombinant protein (NP_689778)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209007
Predicted MW:	40.4 kDa
Protein Sequence:	>RC209007 protein sequence Red=Cloning site Green=Tags(s)

MLEGAELYFNVDHGYLEGLVRGCKASLLTQQDYINLVQCETLEDLKIHLQTTDYGNFLANHTNPLTVSKI
DTEMRKRLCGFEYFRNHSLEPLSTFLTYMTCSYMIDNVILLMNGALQKKSVEILGKCHPLGRFTEMEA
VNIAETPSDLFNAIIL IETPLAPFFQDCMSENALDELNIELLRNKLYKSYLEAFYKFKCNHGDVTAEMVCP
ILEFEADRRAFIITLNSFGTELSKEDRETLYPTFGKLYPEGLRLLAQAEDFDQMKNVADHYGVYKPLFEA
VGGSGGKTLEDVFYEREVQMNVLAFNRQFHYGVFYAYVKLKEQEIRNIVWIAECISQRHRTKINSYIPIL

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:	<u>NP_689778</u>
RefSeq Size:	2370
RefSeq ORF:	1050
Synonyms:	ATP6D2; VMA6
Locus ID:	245972



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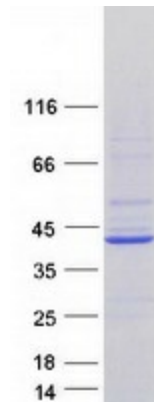
UniProt ID: [Q8N8Y2](#), [A0A024R991](#)

Cytogenetics: 8q21.3

Summary: Subunit of the integral membrane V0 complex of vacuolar ATPase. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system. May play a role in coupling of proton transport and ATP hydrolysis (By similarity).
[UniProtKB/Swiss-Prot Function]

Protein Pathways: Epithelial cell signaling in Helicobacter pylori infection, Lysosome, Metabolic pathways, Oxidative phosphorylation, Vibrio cholerae infection

Product images:



Coomassie blue staining of purified ATP6V0D2 protein (Cat# [TP309007]). The protein was produced from HEK293T cells transfected with ATP6V0D2 cDNA clone (Cat# [RC209007]) using MegaTran 2.0 (Cat# [TT210002]).