Recombinant Human ATP6V0D2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ATP6V0D2-579H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATP6V0D2 MS Standard C13 and N15-labeled recombinant protein (NP_689778) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	40.4 kDa
AA Sequence	MLEGAELYFNVDHGYLEGLVRGCKASLLTQQDYINLVQCETLEDLKIHLQTTDYGNF LANHTNPLTVSKIDTEMRKRLCGEFEYFRNHSLEPLSTFLTYMTCSYMIDNVILLMNG ALQKKSVKEILGKCHPLGRFTEMEAVNIAETPSDLFNAILIETPLAPFFQDCMSENALD ELNIELLRNKLYKSYLEAFYKFCKNHGDVTAEVMCPILEFEADRRAFIITLNSFGTELS KEDRETLYPTFGKLYPEGLRLLAQAEDFDQMKNVADHYGVYKPLFEAVGGSGGKTL EDVFYEREVQMNVLAFNRQFHYGVFYAYVKLKEQEIRNIVWIAECISQRHRTKINSYI PILTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ATP6V0D2 ATPase H+ transporting V0 subunit d2 [Homo sapiens (human)]
Official Symbol	ATP6V0D2
Synonyms	ATP6V0D2; ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d2; ATPase, H+ transporting, lysosomal 38kD, V0 subunit d isoform 2, ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d isoform 2, ATPase, H+ transporting, lysosomal 38kDa, V0 subunit D2; V-type proton ATPase subunit d 2; ATP6D2; FLJ38708; VMA6; V-ATPase subunit d 2; vacuolar proton pump subunit d 2;
Gene ID	245972
mRNA Refseq	NM_152565
Protein Refseq	NP_689778
MIM	618072
UniProt ID	Q8N8Y2

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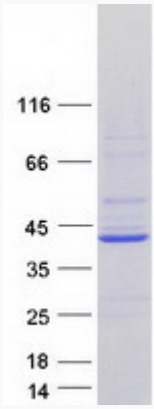
SDS-PAGE	

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