



# Recombinant Human V-type proton ATPase subunit D (ATP6V1D)

<b>Product Code</b>	CSB-BP897507HU
<b>Abbreviation</b>	ATP6V1D
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9Y5K8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MSGKDRIEIF PSRMAQTIMK ARLKGAQTGR NLLKKKSDAL TLRFRQILKK IETKMLMGE VMREAAFSLA EAKFTAGDFS TTVIQNVNKA QVKIRAKKDN VAGVTLPVFE HYHEGTDSYE LTGLARGGEQ LAKLKRNYAK AVELLVELAS LQTSFVTLDE AIKITNRRVN AIEHVIIPRI ERTLAYIITE LDEREREEFY RLKKIQEKKK ILKEKSEKDL EQRRAAGEVL EPANLLAEK DEDLLFE
<b>Source</b>	Baculovirus
<b>Target Names</b>	ATP6V1D
<b>Protein Names</b>	Recommended name: V-type proton ATPase subunit D Short name= V-ATPase subunit D Alternative name(s): V-ATPase 28 kDa accessory protein Vacuolar proton pump subunit D
<b>Expression Region</b>	1-247
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This gene encodes the V1 domain D subunit protein.



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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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