

Recombinant Human ATP6V1H Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ATP6V1H-2410H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATP6V1H MS Standard C13 and N15-labeled recombinant protein (NP_057025) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular organelles. V-ATPase-dependent organelle acidification is necessary for multiple processes including protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. The encoded protein is the regulatory H subunit of the V1 domain of V-ATPase, which is required for catalysis of ATP but not the assembly of V-ATPase. Decreased expression of this gene may play a role in the development of type 2 diabetes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	55.9 kDa
AA Sequence	MTKMDIRGAVDAAVPTNIIAAKAAEV RANKVNWQSYLQGQMISAEDCEFIQRFEMKR SPEEKQEMLQTEGSQCAKTFINLMTHICKEQTVQYILTMVDDMLQENHQRVSIFFDY ARCSKNTAWPYFLPMLNRQDPFTVHMAARIIAKLAAWGKELMEGSDLNYYFNWIKT QLSSQKL R GSGVAVETGT VSSSDSSQYVQCVAGCLQLMLRVNEYRFAWVEADGVN

 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

CIMGVLSNKCGLQYQMIFSIWLLAFSPQMCEHLRRYNIIPVLSLILQESVKEKVTRII
LAAFRNFLEKSTERETRQEYALAMIQCKVLKQLENLEQQKYDDEIDSEDIKFLLEKLG
ESVQDLSSFDEYSSELKSGRLEWSPVHKSEKFWRENAVRLNEKNYELLKILTKLLEV
SDDPQVLAVAAHDVGEYVRHYPRGKRIVIEQLGGKQLVMNHHMHEDQQVRYNALLA
VQKLMVHNWEYLGKQLQSEQPQTAAARSTRTRPLEQKLISEEDLAANDILDYKDDD
DKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

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 ATP6V1H ATPase H⁺ transporting V1 subunit H [Homo sapiens (human)]

Official Symbol ATP6V1H

Synonyms ATP6V1H; ATPase, H⁺ transporting, lysosomal 50/57kDa, V1 subunit H; ATPase, H⁺ transporting, lysosomal 50/57kD, V1 subunit H; V-type proton ATPase subunit H; CGI 11; SFD; SFDalpha; SFDbeta; vacuolar ATP synthase subunit H; VMA13; V-ATPase H subunit; V-ATPase subunit H; nef-binding protein 1; protein VMA13 homolog; vacuolar ATPase subunit H; V-ATPase 50/57 kDa subunits; vacuolar proton pump H subunit; vacuolar proton pump subunit H; vacuolar proton pump subunit SFD; NBP1; CGI-11; MSTP042;

 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

Gene ID	51606
mRNA Refseq	NM_015941
Protein Refseq	NP_057025
MIM	608861
UniProt ID	Q9UI12
SDS-PAGE	