

Product datasheet for **TP306841L**

ATP6V1H (NM_015941) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human ATPase, H⁺ transporting, lysosomal 50/57kDa, V1 subunit H (ATP6V1H), transcript variant 1, 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC206841 protein sequence
Red=Cloning site **Green**=Tags(s)

MTKMDIRGAVDAAVPTNIIAAKAAAEVRANKVNWQSYLQGQMISAEDCEFIQRFEMKRSPEEKQEMLQTEG
SQCAKTFINLMTHICKEQTVQYILTMVDDMLQENHQRVSIFFDYARCSKNTAWPYFLPMLNRQDPFTVHM
AARIIAKLAAWGKELMEGSDLNYYFNWIKTQLSSQKLRGSGVAVETGTVSSSDSSQYVQCVAGCLQLMLR
VNEYRFAWVEADGVNCGVLSNCKGFLQYQMIFSIWLLAFSPQMCEHLRRYNIIPVLSDILQESVKEK
VTRIIAFAFRNFLEKSTERETRQEYALAMIQCKVLKQLENLEQQKYDDEDISEDIKFLLEKLGESVQDLS
SFDEYSSELKSGRLEWSPVHKSEKFWRENAVRLNEKNYELLKILTKLLEVSDDPQVLAVAAHDVGEYVRH
YPRGKRVIQLGGKQLVMNHHMHEDQQVRYNALLAVQKLMVHNWEYLGKQLQSEQPQTAAARS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 55.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_057025](#)

Locus ID: 51606

UniProt ID: [Q9UI12](#), [A0A024R7U9](#)

RefSeq Size: 2186

Cytogenetics: 8q11.23

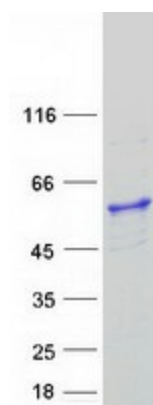
RefSeq ORF: 1449

Synonyms: CGI-11; MSTP042; NBP1; SFD; SFDalpha; SFDbeta; VMA13

Summary: 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. [provided by RefSeq, May 2012]

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

Product images:



Coomassie blue staining of purified ATP6V1H protein (Cat# [TP306841]). The protein was produced from HEK293T cells transfected with ATP6V1H cDNA clone (Cat# [RC206841]) using MegaTran 2.0 (Cat# [TT210002]).