

Recombinant Human ATP1B4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ATP1B4-3984H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATP1B4 MS Standard C13 and N15-labeled recombinant protein (NP_036201) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene has been found in all vertebrate genomes sequenced to date. However, this gene has undergone a change in function in placental mammals compared to other species. Specifically, in fish, avian, and amphibian species, this gene encodes plasma membrane-bound beta-subunits of Na,K-ATPase. In placental mammals, the encoded protein interacts with the nuclear transcriptional coregulator SKIP and may be involved in the regulation of TGF-beta signaling. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	40.9 kDa
AA Sequence	MRRQLRSRRAPSPFPYSYRYRLDDPDEANQNYLADEEEEEAEAEARVTVVPKSEEEE EEEEEEEEEEEEKEEEEGQGQPTGNAWWQKLQIMSEYLWDPERRMFLARTGLILLI YFFFYASLAAVITLCMYTLFLTISPYIPTFTERVKPPGVMIRPFAHSLNFNFNVSEPDT WQHYVISLNGFLQGYNDLQEEEMNVDCPPGQYFIQDGNEDDKKACQFKRSFLKN CSGLEDPTFGYSTGQPCILLKMNRIVGFRPELGDPVKVSKVQVRGDENDIRSISYYP ESASFDLRYYPYGYGLTHVNYTSPLVAMHFTDVVKNQAVPVQCQLKGKGVINDVIND

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RFVGRVIFTLNIETTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.

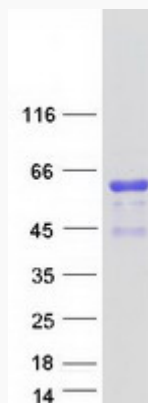
GENE INFORMATION

Gene Name	ATP1B4 ATPase Na ⁺ /K ⁺ transporting family member beta 4 [Homo sapiens (human)]
Official Symbol	ATP1B4
Synonyms	ATP1B4; ATPase, Na ⁺ /K ⁺ transporting, beta 4 polypeptide; ATPase, (Na ⁺)/K ⁺ transporting, beta 4 polypeptide; protein ATP1B4; X,K-ATPase beta-m subunit; x/potassium-transporting ATPase subunit beta-m;
Gene ID	23439
mRNA Refseq	NM_012069
Protein Refseq	NP_036201
UniProt ID	Q9UN42

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SDS-PAGE

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