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Product datasheet for RC223635L3V

ATP7B (NM_000053) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ATP7B (NM_000053) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ATP7B
Synonyms:	PWD; WC1; WD; WND
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000053
ORF Size:	4395 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC223635).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000053.2
RefSeq Size:	6644 bp
RefSeq ORF:	4398 bp
Locus ID:	540
UniProt ID:	P35670
Cytogenetics:	13q14.3
Domains:	E1-E2_ATPase, Hydrolase, HMA
Protein Families:	Druggable Genome, Transmembrane

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MW: 157.1 kDa

Gene Summary: This gene is a member of the P-type cation transport ATPase family and encodes a protein with several membrane-spanning domains, an ATPase consensus sequence, a hinge domain, a phosphorylation site, and at least 2 putative copper-binding sites. This protein is a monomer, and functions as a copper-transporting ATPase which exports copper out of the cells, such as the efflux of hepatic copper into the bile. Alternate transcriptional splice variants, encoding different isoforms with distinct cellular localizations, have been characterized. Mutations in this gene have been associated with Wilson disease which is characterized by copper accumulation. [provided by RefSeq, Dec 2019]