OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC224789L3V

ATP7A (NM_000052) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ATP7A (NM_000052) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ATP7A
Synonyms:	DSMAX; MK; MNK; SMAX3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000052
ORF Size:	4500 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224789).
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_000052.2
RefSeq Size:	8492 bp
RefSeq ORF:	4503 bp
Locus ID:	538
UniProt ID:	Q04656
Cytogenetics:	Xq21.1
Domains:	E1-E2_ATPase, Hydrolase, HMA
Protein Families:	Druggable Genome, Transmembrane

View online »

MW: 163.4 kDa

Gene Summary: This gene encodes a transmembrane protein that functions in copper transport across membranes. This protein is localized to the trans Golgi network, where it is predicted to supply copper to copper-dependent enzymes in the secretory pathway. It relocalizes to the plasma membrane under conditions of elevated extracellular copper, and functions in the efflux of copper from cells. Mutations in this gene are associated with Menkes disease, X-linked distal spinal muscular atrophy, and occipital horn syndrome. Alternatively-spliced transcript variants have been observed. [provided by RefSeq, Aug 2013]