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Product datasheet for RC221861L1V

ABCA1 (NM_005502) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ABCA1 (NM_005502) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ABCA1
Synonyms:	ABC-1; ABC1; CERP; HDLCQTL13; HDLDT1; HPALP1; TGD
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_005502
ORF Size:	6783 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221861).
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_005502.3
RefSeq Size:	10515 bp
RefSeq ORF:	6786 bp
Locus ID:	19
UniProt ID:	O95477
Cytogenetics:	9q31.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters

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MW: 254.3 kDa

Gene Summary: The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ABC1 subfamily. Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. With cholesterol as its substrate, this protein functions as a cholesteral efflux pump in the cellular lipid removal pathway. Mutations in both alleles of this gene cause Tangier disease and familial high-density lipoprotein (HDL) deficiency. [provided by RefSeq, Sep 2019]