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Product datasheet for SC201066

Acid Phosphatase 2 (ACP2) (NM_001131064) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Acid Phosphatase 2 (ACP2) (NM_001131064) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ACP2
Synonyms:	acid phosphatase 2, lysosomal; Acp-2; LAP; OTTMUSP00000015308
ACCN:	NM_001131064
Insert Size:	160 bp
Insert Sequence:	>SC201066 3'UTR clone of NM_001131064 The sequence shown below is from the reference sequence of NM_001131064. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AGAGTGGCCAGCCCTTCCCTGGGGTGGTGAGGGGACAGCTCTGGCCGTAGGCCTGCTGATGCCAGGCTC CTTTTCCCGCTGCCTGTTTCCCCGCTTCGCTCTACAGCTGCTGAAGTTCCCGTTGGGCCCATGTCCCCG TTATGAGCAGCTGCAGAACGAG ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001131064.1

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Summary: The protein encoded by this gene belongs to the histidine acid phosphatase family, which hydrolyze orthophosphoric monoesters to alcohol and phosphate. This protein is localized to the lysosomal membrane, and is chemically and genetically distinct from the red cell acid phosphatase. Mice lacking this gene showed multiple defects, including bone structure alterations, lysosomal storage defects, and an increased tendency towards seizures. An enzymatically-inactive allele of this gene in mice showed severe growth retardation, hair-follicle abnormalities, and an ataxia-like phenotype. Alternatively spliced transcript variants have been found for this gene. A C-terminally extended isoform is also predicted to be produced by the use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism. [provided by RefSeq, Oct 2017]

Locus ID: 53

MW: 5.5