

Product datasheet for **SC123000**

Alkaline Phosphatase (ALPPL2) (NM_031313) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alkaline Phosphatase (ALPPL2) (NM_031313) Human Untagged Clone
Tag:	Tag Free
Symbol:	Alkaline Phosphatase
Synonyms:	ALPPL; ALPPL2; GCAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_031313 edited
GGGATTTCCGCCTCGCCGCTCTCCGACTGCTTCCAGACATGCAGGGGCCCTGGGTGCTGC
TCCTGCTGGGCCTGAGGCTACAGCTCTCCCTGGGCATCATCCCAGTTGAGGAGGAGAACC
CGGACTTCTGGAACCGCCAGGCAGCCGAGGCCCTGGGTGCCGCCAAGAAGCTGCAGCCTG
CACAGACAGCCGCAAGAACCTCATCATCTTCTGGGTGACGGGATGGGGGTGTCTACGG
TGACAGCTGCCAGGATCTAAAAGGGCAGAAGAAGGACAACTGGGGCCTGAGACCTTCC
TGGCCATGGACCGCTTCCCGTACGTGGCTGTGTCCAAGACATACAGTGTAGACAAGCATG
TGCCAGACAGTGGAGCCACAGCCACGGCCTACCTGTGCGGGTCAAGGGCAACTTCCAGA
CCATTGGCTTGAGTGACGCCGCCGCTTTAACCAGTGCAACACGACACGCGGCAACGAGG
TCATCTCCGTGATGAATCGGGCCAAGAAAGCAGGAAAGTCAGTGGGAGTGGTAACCACCA
CACGGGTGCAGCATGCCTCGCCAGCCGCGCCTACGCCACACGGTGAACCGCAACTGGT
ACTCGGATGCCGACGTGCCTGCCTCGGCCGCCAGGAGGGGTGCCAGGACATCGCCACGC
AGCTCATCTCAAACATGGACATTGATGTGATCCTAGGTGGAGGCCGAAAGTACATGTTTC
CCATGGGGACCCAGACCCTGAGTACCCAGATGACTACAGCCAAGGTGGGACCAGGCTGG
ACGGGAAGAATCTGGTGCAGGAATGGCTGGCGAAGCGCCAGGGTGCCCGTACGTGTGGA
ACCGCACTGAGCTCATGCAGGCTTCCCTGGACCGTCTGTGACCCATCTCATGGGTCTCT
TTGAGCCTGGAGACATGAAATACGAGATCCACCGAGACTCCACACTGGACCCCTCCCTGA
TGGAGATGACAGAGGCTGCCCTGCGCCTGCTGAGCAGGAACCCCGCGGCTTCTTCTCT
TCGTGGAGGGTGGTGCATCGACCATGGTCATCATGAAAGCAGGGCTTACCGGGCACTGA
CTGAGACGATCATGTTGACGACGCCATTGAGAGGGCGGGCCAGCTCACCAGCGAGGAGG
ACACGCTGAGCCTCGTCACTGCCGACCACTCCCACGTCTTCTCCTTGGAGGCTACCCCC
TGCAGGAGGCTCCATCTTGGGCTGGCCCTGGCAAGGCCGGGACAGGAAGGCCTACA
GGTCTCTCTATACGGAACGGTCCAGGCTATGTGCTCAAGGACGGCGCCCGCCGGTACA
TTACCGAGAGCGAGAGCGGGAGCCCGAGTATCGGCAGCAGTCAAGCAGTGCCTTGGACG
GAGAGACCACGACGGCAGGACGTGGCGGTGTTGCGCGCGGCCCGCAGGCGCACCTGG
TTCACGGCGTGCAGGAGCAGACCTTCATAGCGCACGTGATGTCCTTCCCGCCTGCCTGG
AGCCCTACACCGCCTGCGACCTGGCGCCCCGCGCCGCCACCACCGACGCCGCGCACCCGG
GGCCGTCCGTGGTCCCCGCTTGTCTTCTGCTGGCAGGGACCTTGCTGCTGCTGGGGA
CGGCCACTGCTCCCTGAGTGTCCCGTCCCTGGGGCTCCTGCTTCCCATCCCGGAGTTCC
CCTGCTCCCCACCTCCAGTGTCTGCTGCCGACCTCCACCTGGAGCTGTCACCCCGGAGT
CGCCACACAGACGTCCTGCCATGGAACCTTCCCCTCCCGTGCACCTGGGGACCGAGCC
CTTGACACCACGCCCTTTGCTTTATCTTGCTCTTCAAATTTGGCCCAACTCCAGGGAC
TGGGGATTTGTGCTGGCAGCTGCCTGCATTTCAAGAAAAGAGGAGGCTCAGACCATCCA
GCCCCCGCCATATCCTGAGGTGGATCAGGCAGGCTCTCTCCCCGGGACATGAGGCACC
CATACCTAGGACCCCTGCGCCTTTTTAGCTTCAATGATGATGCGACACCTGAGGGACACA
AGGACTTGGGTGCATCAGGACGCCTTGGAGAAGCGTGGCTTCTGCCACCTGCAACCCA
CCCTCCAGCCAAGGAGGCTGCTGTGGTGGGGATCCCCAGGGGGGCTTTGACACAGTCTCT
GTGCTGTCCCTCCACTGGGCTAATTCTACACCCCTGTGCCCTCCTAGGGGCCCATGAGT
CAGAGAGGCTTGCCTCAAGTACAGCCACTCAGATGTTGACGCCCCCTAAGGTCCATTTC
CAGCACCCACCTGAGTTCCGAGGAGCACCTGGGAAGCTCTGGGTGCAGGATAGCAGTCCA
GAGTCCATGGCCCCGCTAGGCCATCTGGGTGCTGGGCATGGATTTCTCAGCAAGGAAGA
CTCATTACCTTCCCTCCCTGGGCCTCATTCTTCTGGGAAACACAAAGCAATAATAAAG
GAAGTGTAGACAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_031313 unedited GGAATGCAGTACAAAATTTGTATACGACTCACTATAGGCGGCCGNAATTCGCACGAGG GGATTTCCGCCTCGCCGCTCTCCGACTGCTTCCAGACATGCAGGGGCCCTGGGTGCTGCT CCTGCTGGGCCTGAGGCTACAGCTCTCCCTGGGCATCATCCCAGTTGAGGAGGAGAACCC GGACTTCTGGAACCGCCAGGCAGCCGAGGCCCTGGGTGCCCAAGAAGCTGCAGCCTGC ACAGACAGCCGCAAGAACCTCATCATCTTCTGGGTGACGGGATGGGGTGTCTACGGT GACAGTGCACAGATCCTAAAAGGGCAGAAGAAGGACAAACTGGGGCCTGAGACCTTCT GGCCATGGACCGCTTCCCGTACGTGGCTCTGTCCAAGACATACAGTGTAGACAAGCATGT GCCAGACAGTGGAGCCACAGCCACGGCCTACCTGTGCGGGTCAAGGGCAACTTCCAGAC CATTGGCTTGAGTGCAGCCGCCGCTTTAACCAAGTGAACACGACACGCGCAACGAGGT CATCTCCGTGATGAATCGGGCAAGAAAGCAGGAAAGTCAAGTGGGAGTGGTAACCACCAC ACGGGTGCAGCATGCCTCGCCAGCCGGCGCCTACGCCACACGGTGAACCGCAACTGGTA CTGGATGCCGACGTGCCTGAGCTCGCCGCCAGGAGGGGTGCCAGGACATCGCCACGCA GCTCATCTCCAACATGGACATTGATGTGATCCTAGGTGGAGGCCGAAATACATGTTTCCC ATGGGGACCCAGACCCTGAGTACCAGTACTACAGCCAAGGTGGGACCAGGCTGGACG GGAAGAATCTGTGCCAGGAATGGCTGGCAAGCGCCAGGTGCC
Restriction Sites:	Please inquire
ACCN:	NM_031313
Insert Size:	1599 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_031313.1 , NP_112603.1
RefSeq Size:	2485 bp
RefSeq ORF:	1599 bp
Locus ID:	251
UniProt ID:	P10696
Cytogenetics:	2q37.1
Protein Families:	Druggable Genome
Protein Pathways:	Folate biosynthesis, Metabolic pathways

Gene Summary:

There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The product of this gene is a membrane bound glycosylated enzyme, localized to testis, thymus and certain germ cell tumors, that is closely related to both the placental and intestinal forms of alkaline phosphatase. [provided by RefSeq, Jul 2008]