

Product datasheet for **SC212497**

Alkaline Phosphatase (ALPP) (NM_001632) Human 3' UTR Clone

Product data:

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| Product Type: | 3' UTR Clones |
| Product Name: | Alkaline Phosphatase (ALPP) (NM_001632) Human 3' UTR Clone |
| Symbol: | Alkaline Phosphatase |
| Synonyms: | ALP; ALPI; IAP; PALP; PLAP; PLAP-1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pMirTarget (PS100062) |
| ACCN: | NM_001632 |
| Insert Size: | 1124 bp |
| Insert Sequence: | >SC212497 3'UTR clone of NM_001632 The sequence shown below is from the reference sequence of NM_001632. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site |

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGCTGCTGGAGACGGCCACTGCTCCCTGAGTGTCCCCTCCCTGGGGCTCCTGCTTCCCCATCCCGGAG
TTCTCCTGCTCCCCACCTCCTGTCGTCTGCTGGCCTCCAGCCCGAGTCGTATCCCCGGAGTCCCTA
TACAGAGGTCCTGCCATGGAACCTTCCCCTCCCCTGCGCTCTGGGGACTGAGCCATGACACCAAACC
TGCCCCTTGGCTGCTCTCGGACTCCCTACCCCAACCCAGGGACTGCAGGTTGTGCCCTGTGGCTGCCT
GCACCCAGGAAAGGAGGGGGCTCAGGCCATCCAGCCACCACCTACAGCCAGTGGGTACCAGGCAGGC
TCCCTTCTGGGAAAAGAAGCACCAGACCCCGCCTGATCTTTGCTTCAGTCCTGAATCAC
CTGTGGGACTTGAGGACTCGGGATCTTCAGGACGCTGGAGAAGGGTGGTTTCTGCCACCTGCTGGC
CAAGGAGGCTCCTGGGTGGGATCACCAGGGGATTTTGACACAGCCTTCGGCTGCCCCCACTAAGC
TAATTCACACCCCTGTACCCCCCAGGGGGCCCTCTGCCTCATGGCAAAGGCTTGCCCCAAATCTCAA
CTTCTCAGACGTTCCATACCCCCACATGCCAATTCAGCACCAACTGAGATCCGAGGAGCTCCTGGGA
AGCCCTGGGTGCAGGACTGGTCGAGAGCCAAAGGTCCCTCCCAGACATCTGGACTGGGCATAGA
TTTCTCAAGAAGGAAGACTCCCCTGCCCTCCCAGGGCCTGCTCTCCTGGGAGACAAAGCAATAATAA
AAGGAAGTGTGGTAAATCCAGCACTTTGGGAGGCCGAGGTGGGCGGATCACGAGGTCAGGAGATGGAG
ACCATCCTGGCTAACACGGTGAACCCCTTATCTATGCGCCTGTAGTCCCAGCTACCCAGGAGGCTGAA
GCAGGATAATCGCTTGAACCCGGCGGGGAGATTGCAGTGAGCCGAGGTCATGCCACTGCACTGCAGC
CTGGGCGACAGAGCGAGATTCTGCCTCAAAAATAAACAAATAAATTTAAAAATAAATAAATAAATAA
GGAAGTGTAGACAATGTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG

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| Restriction Sites: | Sgfl-Mlul |
| 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_001632.5 |
| Summary: | The protein encoded by this gene is an alkaline phosphatase, a metalloenzyme that catalyzes the hydrolysis of phosphoric acid monoesters. It belongs to a multigene family composed of four alkaline phosphatase isoenzymes. The enzyme functions as a homodimer and has a catalytic site containing one magnesium and two zinc ions, which are required for its enzymatic function. One of the main sources of this enzyme is the liver, and thus, it's one of several indicators of liver injury in different clinical conditions. In pregnant women, this protein is primarily expressed in placental and endometrial tissue, however, strong ectopic expression has been detected in ovarian adenocarcinoma, serous cystadenocarcinoma, and other ovarian cancer cells. [provided by RefSeq, Aug 2020] |
| Locus ID: | 250 |
| MW: | 40.8 |