

## Product datasheet for **SC214249**

### APLP2 (NM\_001142278) Human 3' UTR Clone

#### Product data:

|               |   |
|---------------|---|
| Product Type: | 3' UTR Clones                           |
| Product Name: | APLP2 (NM_001142278) Human 3' UTR Clone |
| Vector:       | pMirTarget (PS100062)                   |
| Symbol:       | APLP2                                   |
| Synonyms:     | APLP-2; APPH; APPL2; CDEBP              |
| ACCN:         | NM_001142278                            |
| Insert Size:  | 1387 bp                                 |



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**Insert Sequence:** >SC214249 3'UTR clone of NM\_001142278  
 The sequence shown below is from the reference sequence of NM\_001142278. 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
TACAAATACCTGGAGCAGATGCAGATTAGGTGGCAGGGAGCGCGCAGCCCTGGCGGAGGGATGCAGG
TGGGCCGGAAGATCCACGATTCCGATCGACTGCCAAGCAGCAGCCGCTGCCAGGGGCTGCGTCTGACA
TCCTGACCTCCTGGACTGTAGGACTATATAAAGTACTACTGTAGAACTGCAATTTCCATTCTTTAAAT
GGGTGAAAAATGGTAATATAACAATATATGATATATAAACCTTAAATGAAAAAATGATCTATTGCAGA
TATTTGATGTAGTTTTCTTTTTAAATTAATCAGAAACCCCACTTCCATTGTATTGTCTGACACATGCT
CTCAATATATAATAAATGGGAAATGTCGATTTTCAATAATAGACTTATATGCAGGCTGTCGTTCCGGTT
ATGTTGTGTAAGTCAACTCTTCAGCCTCATTCACTGTCCTGGCTTTTATTTAAAGAAAAAAGGCAGT
ATTCCTTTTTTAAATGAGCTTTTCAGGAAGTTGCTGAGAAATGGGGTGAATAGGGAAGTGAATGGCCA
CTGAAGCAGGTGAGAGACCTCGCAAAATGATGTGAAAGGACCAGTTTCTGAAGTCCAGTGTTCAC
GGCTGGATACCTGTGTGCTCCATAAAAGTCTGTCAACCAAGGACGTTAAAGGCATTTTATTCCAGCGT
CTTCTAGAGAGCTTAGTGTATACAGATGAGGGTGTCCGCTGCTGCTTTCCTTCGGAATCCAGTGTTC
ACAGAGATTAGCCTGTAGCTTATATTTGACATTCTCACTGTCTGTTGTTTACCTACCGTAGCTTTTAA
CCGTTCACTTCCCCTTCCAATATGTCCAGATGTGCAGGCTCCTCCTCTCTGGACTTTCTCCAAAGGCA
CTGACCCTCGGCCTCTACTTTGTCCCCTCACCTCCACCCCTCCTGTCAACCGCCTTGTGACATTCAT
CAGAGAAGACCACACCAAGGAGGCGCCGCTGGCCAGGAGAGAACACGGGGAGGTTTGTGTTGTGAA
AGGAAAGTAGTCCAGGCTGTCCCTGAAACTGAGTCTGTGGACACTGTGGAAGCTTTGAACAATTTGTG
TTTCGTACAGGAGTCTTTGTAATGCTTGTACAGTTGATGTCGATGCTCACTGCTTCTGCTTTTTCTTT
CTTTTTATTTTAAATCTGAAGTTCTGGTAACCTGTGGTGTATTTTTATTTTCTGTGACTGTTTTTGT
TTTGTTTTTTTCTTTTTCTCCCCTTTGACCCTATTCATGTCTTACCCACTATGCACAGATTAACCT
TCACCTACAAACTCCTTAATATGATCTGTGGAGAATGTACACAGTTTAAACACATCAATAAATACTTTA
ACTTCCA
ACGCGTAAAGCGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
```

**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\\_001142278.2](#)

**Summary:** This gene encodes amyloid precursor- like protein 2 (APLP2), which is a member of the APP (amyloid precursor protein) family including APP, APLP1 and APLP2. This protein is ubiquitously expressed. It contains heparin-, copper- and zinc- binding domains at the N-terminus, BPTI/Kunitz inhibitor and E2 domains in the middle region, and transmembrane and intracellular domains at the C-terminus. This protein interacts with major histocompatibility complex (MHC) class I molecules. The synergy of this protein and the APP is required to mediate neuromuscular transmission, spatial learning and synaptic plasticity. This protein has been implicated in the pathogenesis of Alzheimer's disease. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011]

**Locus ID:** 334

**MW:** 52.7