

## Product datasheet for **SC211250**

### PAIP2 (NM\_001033112) Human 3' UTR Clone

#### Product data:

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| Product Type:      | 3' UTR Clones                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Symbol:            | PAIP2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Synonyms:          | PAIP-2; PAIP2A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Mammalian Cell     | Neomycin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Selection:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Vector:            | pMirTarget (PSI00062)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ACCN:              | NM_001033112                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Insert Size:       | 949 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Insert Sequence:   | <p>&gt;SC211250 3'UTR clone of NM_001033112</p> <p>The sequence shown below is from the reference sequence of NM_001033112. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC GTTCTCTGGGGTGAAGTACGGAAATATTGAGTAGACGGGGCCCTCTTTTGGTGGATGTAGCACAATTC CACACTGTGAAGGCAGTATTAGAAGACTTAATTGTAAAAGCTCTTTGCTACTGTGTACACTTATGCA TTGCCAAAGTTTTTGTAGTCTTGCATGCTTAATAAAAGTGCTGAGACTGTTACTAAGTAAAAGCTGT CAAACATTTACTGAAAATAGAATTGGCCCATGGCTTGATGTGAAGACAGCAAGGAAAGAAGCACCAGT CAAGTTGTGAACAAGCACCAAATTAAGACCTAAACCTTACCAAATTGTCTTTTTTGGAGCTAATCT ATCACTTGTAATGTCTAACTTTAAATCAGTACATTTAATTTGAGTTCCTAAGTGAAGCATATTC TCAGACTTAAATTTGATTATGTCCCATCAAAAAGAAATCTCATTCTGAAGTCTGTTAGTAAATTT GAGATAATTTGTTAAAGGCAAGTATGTCATATTCTGAGGCTACAAGTTAGTCAGCAGATGAGTGCCAG TCCAGCCTTTTCTGGTATGTTATTGTTAGAAATATTGAGTTCTAATGTTACATCTGAGGAAGTATGTAA TTTGAGAATTGTAACCTTAAGGGATTCACTGCATCATAGCTATGCCTGTATGGAGTCTAACATATGAC CAATACCAACCCATAATCCAGCTGAACAAAGATACTGTAACATGATTTGAGTGGTGCTTTTCCTTGCTT TGTTAACCATCACGAGAGTCTGCAGCACAACTTTTAACAAAGCTAGAACAGTTTGGCTTCTTAACTT CATATTTGGGTAGGTTAAGCTGCCATACGTGTTCAAGTGAATAGTGTAAAGTTGAAAATATTGTAAG AAAATTATATTTTTTCAAAAATATTTAAAAAATAAATAATAGTAGAACTGA ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG </pre> |
| Restriction Sites: | SgfI-MluI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



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| <b>OTI Disclaimer:</b> | 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).                                                                                                                                |
| <b>Components:</b>     | 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.                                                                                                                                                                                                                            |
| <b>Note:</b>           | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq:</b>         | <u><a href="#">NM_001033112.3</a></u>                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Summary:</b>        | Acts as a repressor in the regulation of translation initiation of poly(A)-containing mRNAs. Its inhibitory activity on translation is mediated via its action on PABPC1. Displaces the interaction of PABPC1 with poly(A) RNA and competes with PAIP1 for binding to PABPC1. Its association with PABPC1 results in disruption of the cytoplasmic poly(A) RNP structure organization.<br>[UniProtKB/Swiss-Prot Function] |
| <b>Locus ID:</b>       | 51247                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MW:</b>             | 36.7                                                                                                                                                                                                                                                                                                                                                                                                                      |