

## Product datasheet for **SC205530**

### MEG1 (PTPN4) (NM\_002830) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	MEG1 (PTPN4) (NM_002830) Human 3' UTR Clone
Symbol:	MEG1
Synonyms:	MEG; PTPMEG; PTPMEG1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002830
Insert Size:	2000 bp



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**Insert Sequence:** >SC205530 3'UTR clone of NM\_002830  
 The sequence shown below is from the reference sequence of NM\_002830. 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
AAACCCTTAACAACATCAACAAATAAAATAGAAAAGCAAAAAGATCTGGGATATGTGTTGGAAAACTGCT
TTCCTTATGTTCACTGTGCCATAATGCTGCTCGCAGGAAATGGCATTTTACAAAAAAAATGAAGAA
CTCAAAAAAACTTTGAAAACCTCAGCACTGTTGCACTTTATGTTTTAAAAATGCACTCTTTCAAAT
CTATAACTCATGTATTTGAAGACTGTTTCATGCTTTGCTCCGAACAAATAGTAAATAACTGAGTATGTT
CAGGGTAATTTATGAAATTTGTGGTGGTCCATGCAATCCCCTTTTGGTAGAATTGCCACAAAACAAGG
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AGCTCTGGTCTTTGCACTGTTTGCCTACTTACTATACTGATTACCAGATTTTATTTTTAAATTTTA
GCAATATCGTTCTTAATATTAGCCAATACACTGCCTATGGATGCAGCACATTTTCCCTGCACACCCCC
TGTAGAGACCTGCCTGCTCAGAAAGAAGAAAGATGGAATTTGCTGTTCCAGGAAATGCTGCACATT
GTCCATTTACCAGCATCTTATAGAAAATATAAATATGAATCTACAAATCTCTTGGATTTAATAATGTA
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ATGCATTTGTGCTTAACCCCTTAAGTGCCTTGAGACGCTTGTATGTCTAACGAAAAGGCACCTCATT
GACCCCACTAGGAGGTATATATGTATATGTACATTCGTATATTTTTATGCATTTTGAATAAGTTTACA
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GATGCTTTTATGCTTCAATTTTCAATTTTATTTTATTTTATCCCTAACTTTAGGAAGACATCTAACATGCAGAT
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GTTAATAAGGAGACTTTTACTGCTCCAGCCTAATGGAGGATCTGATTTCCATTAAGGATGTGGGAATTC
CCGATTTTCTTCTCAGGTTTTTTGTTTTAAGTCTACAGAGAGATAGAACCCTAACATTGCCAGT
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TGGCAGATATTTGGAAAGCCATTTAGTATGAGGGGAAGAGTACACATTTTAAATCTTTGGTATAATCT
AAACGATGTCATTTTCAACATTCAAAACCTATAATAATAAATTTTCAAGAAATCAAGCTCCTAAACATTA
ATAGCCAAGATACCAAATAAATTATCATATTAATAATTTAAGTTATTTAAAGAGAGAAGTAAACATA
AACTTATGTCAAAGAGAAATTTCTTAACTATTTCTGACTTCACAGTCAAACAGTATAAGATAGT
ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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**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\\_002830.4](#)

**Summary:**

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This protein contains a C-terminal PTP domain and an N-terminal domain homologous to the band 4.1 superfamily of cytoskeletal-associated proteins. This PTP has been shown to interact with glutamate receptor delta 2 and epsilon subunits, and is thought to play a role in signalling downstream of the glutamate receptors through tyrosine dephosphorylation. [provided by RefSeq, Jul 2008]

**Locus ID:**

5775

**MW:**

77.9