

## Product datasheet for **SC215905**

### LAR (PTPRF) (NM\_130440) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	LAR (PTPRF) (NM_130440) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PTPRF
Synonyms:	BNAH2; LAR
ACCN:	NM_130440
Insert Size:	1693 bp



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**Insert Sequence:** >SC215905 3'UTR clone of NM\_130440  
 The sequence shown below is from the reference sequence of NM\_130440. 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
CTCGGCAGCTTTGACCACTATGCAACGTAACCTACCGCTCCCTCTCCTCCGCCACCCCGCCGTGGGGC
TCCGGAGGGGACCCAGCTCCTCTGAGCCATACCGACCATCGTCCAGCCCTCTACGCAGATGCTGTAC
TGGCAGAGCACAGCCACGGGGATCACAGCGTTTCAGGAACGTTGCCACACCAATCAGAGAGCCTAGAA
CATCCCTGGGCAAGTGGATGGCCAGCAGGCAGGCACTGTGGCCCTTCTGTCCACCAGACCCACCTGGA
GCCCGCTTCAAGCTCTCTGTTGCGCTCCCGCATTCTCATGCTTCTTCTCATGGGTGGGGTTGGGGCA
AAGCCTCCTTTTTAATACATTAAGTGGGTAGACTGAGGGATTTAGCCTCTTCCCTCTGATTTTTCTT
TTCGCGAATCCGTATCTGCAGAATGGGCCACTGTAGGGTTGGGGTTATTTTGTGTTTTTTTTTTTTT
TCTTGAGTTCACCTTTGGATCCTTATTTTGTATGACTTCTGCTGAAGGACAGAACATTGCCTTCCCTG
CAGAGCTGGGGCTGCCAGCCTGAGCGGAGGCTCGGCCGTGGGCCGGGAGGCAGTGCATCCGGCTGCT
CCTCCAGCCCTTCCAGACGAGATCCTGTTTCAGCTAAATGCAGGGAACTCAATGTTTTTTTTAAGTTTTG
TTTTCCCTTTAAAGCCTTTTTTTAGGCCACATTGACAGTGGTGGGCGGGGAGAAGATAGGGAACACTCA
TCCCTGGTCGTCTATCCCAGTGTGTGTTAACATTACAGCCCAGAACCACAGATGTGTCTGGGAGAGC
CTGGCAAGGCATTCTCATCACCATCGTGTGTTGCAAAGGTTAAACAACAAAAACAAAAACCAAAAAATA
AAAAACAAAAAAACAAAAACCAAGAAAAAAAGAGTCAAGCCTTGGCTTCTGCTTCAAACCT
CAAGAGGGGAAGCAACTCCGTGTGCCTGGGGTCCCGAGGGAGCTGCTGGCTGACCTGGGCCACAGAG
CCTGGCTTTGGTCCCGCAGCATTGCAGTATGGTGTGGTGTGTTGTAGGCTGTGGGGTCTGGCTGTGGCC
AAGGTGAATAGCACAGGTTAGGGTGTGTGCCACACCCCATGCACCTCAGGGCCAAGCGGGGCGTGGCT
GGCCTTTCAGGTCAGGCCAGTGGCCCTGGTAGCACATGTCTGTCTCAGAGCAGGGCCAGATGATTT
TCTCCTCGTGTGTCAGCTGTTTTCAAAGCCCGGATAATCGCTTTTTCCACTCCAAGATGCCCTCAT
AAACCAATGTGGCAAGACTACTGGACTTCTATCAATGGTACTCTAATCAGTCCTTATTATCCCAGCTTG
CTGAGGGGAGAGAGCGCCTTCTCTGGGCAGCGCTATCTAGATAGGTAAGTGGGGCGGGGAG
GGTGCATAGCTGTTTTAGCTGAGGGACGTGGTGGCAGCTCCCCAACCTAGCTAGGCTAAGTCAAGAT
CAACATCCAGGGTTGGTAATGTTGGATGATGAAACATTCATTTTACCTTGTGGATGCTAGTGTGTA
GAGTTCAGTGTGTACACAGTCTGTTTTCTATTTGTTAAGAAAACTACAGCATCATTGCATAATTCTT
GATGGTAATAAATTTGAATAATCAGATTTCTTACAAA
ACGCGTAAAGCGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
```

**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\\_130440.4](#)

**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 PTP possesses an extracellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains three Ig-like domains, and nine non-Ig like domains similar to that of neural-cell adhesion molecule. This PTP was shown to function in the regulation of epithelial cell-cell contacts at adherents junctions, as well as in the control of beta-catenin signaling. An increased expression level of this protein was found in the insulin-responsive tissue of obese, insulin-resistant individuals, and may contribute to the pathogenesis of insulin resistance. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. [provided by RefSeq, Jul 2008]

**Locus ID:**

5792

**MW:**

61.6