

Product datasheet for SC116276

LASP1 (NM_006148) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LASP1 (NM_006148) Human Untagged Clone
Tag:	Tag Free
Symbol:	LASP1
Synonyms:	Lasp-1; MLN50
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116276 sequence for NM_006148 edited (data generated by NextGen Sequencing)

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ATGAACCCCAACTGCGCCCGGTGCGGCAAGATCGTGTATCCCACGGAGAAGGTGAACTGT
CTGGATAAGTTCTGGCATAAAGCATGCTTCCATTGCGAGACCTGCAAGATGACACTGAAC
ATGAAGAACTACAAGGGCTACGAGAAGAAGCCCTACTGCAACGCACACTACCCCAAGCAG
TCCTTCACCATGGTGGCGGACACCCCGAAAACCTTCGCCTCAAGCAACAGAGTGAGCTC
CAGAGTCAGGTGCGCTACAAGGAGGAGTTTGAGAAGAACAAGGGCAAAGGTTTCAGCGTA
GTGGCAGACACGCCCAGCTCCAGAGAATCAAGAAGACCCAGGACCAGATCAGTAACATA
AAATACCATGAGGAGTTTGAGAAGAGCCGCATGGGCCCTAGCGGGGCGAGGGCATGGAG
CCAGAGCGTCGGGATTCACAGGACGGCAGCAGCTACCGGGGCCCTGGAGCAGCAGCAG
CCTCACCACATCCCGACCAGTGCCCGGTTTACCAGCAGCCCCAGCAGCAGCCGGTGGCC
CAGTCCTATGGTGGCTACAAGGAGCCTGCAGCCCCAGTCTCCATACAGCGCAGCGCCCCA
GGTGGTGGCGGGAAGCGGTACCGCGTGGTGTATGACTACAGCGCCCGACGAGGACGAG
GTCTCCTTCCAGGACGGGGACACCATCGTCAACGTGCAGCAGATCGACGACGGCTGGATG
TACGGGACGGTGGAGCGCACCGGGGACCGGGATGCTGCCGGCCAACTACGTGGAGGCC
ATCTGA

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Clone variation with respect to NM_006148.2
626 c=>t



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006148 unedited
 GTAATACGACTACTATAGGGCGGCGCGAATTCGGCACGAGGGCTCCAGCCGCCGTCGC
 TGCTGCCTGTGTAGTTGCAGCCGCGCCGCTCCCGCCAGCTCGCTCGGGGAACAGGAC
 GCGCGTGAGCTCAGGCGTCCCGCCCCAGCTTTTCTCGGAACCATGAACCCCACTGCGC
 CCGGTGCGGCAAGATCGTGTATCCACGGAGAAGTGAAGTGTCTGGATAAGTTCTGGCA
 TAAAGCATGCTTCCATTGCGAGACCTGCAAGATGACACTGAACATGAAGAACTACAAGGG
 CTACGAGAAGAAGCCCTACTGCAACGCACACTACCCCAAGCAGTCTTCCACATGGTGGC
 GGACACCCCGGAAAACCTTCGCCTCAAGCAACAGAGTGAGCTCCAGAGTCAGGTGCGCTA
 CAAGGAGGAGTTTGAAGAAGAACAAGGGCAAGGTTTTCAGCGTAGTGGCAGACACGCCGA
 GCTCCAGAGAATCAAGAAGACCCAGGACCAGATCAGTAACATAAAAATACCATGAGGAGTT
 TGAGAAGAGCCGCATGGGCCCTAGCGGGGGCGAGGGCATGGAGCCAGAGCGTCGGGATTC
 ACAGGACGGCAGCAGCTACCGCGGCCCTGGAGCAGCAGCAGCCTCACCACATCCCGAC
 CAGTGCCCGGTTTACCAGCAGCCCGCAGCAGCCGGTGGCCAGTTCTATGGTGGGCT
 ACAGGAGCCTGCAGCCCACTCCATACAGCGCAGCCCGGAGTGGTGGCGGGAAAAG
 CGTACCGGGTGGTGTATGACTACCAGCGCCGNCGACGAAGACGAGTCTTCTTNCAGNAC
 GGGGACACCATCGNTCACGTGCANCAAATCNACNACGGTTGGATGTCCGGGACGGTGGAC
 N

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006148 unedited
 TCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAAAATATACTTTTATTTGAGTCACCAGGA
 GAAAGATTCACTTGTGGTTCACTTCAAACGTTTCAAGATCATAACAGGCCAGAAAGTTTG
 ATCCCGAGCACAAGCCCAGGAGGGAGGGACAAAACAGACAAAATGAGACAACAACCC
 CATATAAAAAGATGAACTGGCGGCTTACACACTCACACACATACACATACACACGGATG
 AAATGTTTGGACAGAGGCAAATTTACGTGGTCATTTCTGTTTCTTTTAAATACATGTT
 TGTAGGGTGGTATTTTGTTCAGCTATAAAAAAGGCCAAAAGTGCATGTGTGAG
 GGGGAAAGGCANAAATTAAGCAATAAAGTCATTTTCCCTGGAGGGACATGAGAGGGAGA
 AAACAGGAGGCAGTGTGGGAGAACGCACTCTCCTCACCCTGGGCTTCTTGTATTCTT
 AGTATTGGTCCACAAAAGTTATATTCAACTTCTAGCTTTGATGCCTTCTTTCCTGAGATT
 AAATGAGCTGAAAGACCTCTGTGAACTGTAGAGAAGACCAGGGGCTTACCCCAACCCAGC
 CCAGCCCTCAAGCCTCTGTGCTCTAAGGATGAACGTTTTGGTAAAGACAGACGCCAG
 CACCCCGGTAAGTACCATTGTGACAGGTCTCCTCTCTGCGGAGTCCCTGATGCTTTGCCT
 CGCCCTATTTTAGACAGGACGAAAGGAGGCCTCGCCAGATCCCTGATGCTTTGCCT
 AATTGGAGGAAATTACCTGATGAAACACGCTGTTTTGTTGGCCTCCTTCACTCACATTT
 CAACAAGGTCTTAAAGGGTGGGCCGACCTGGCCCAATCCACTGGCTTGAACAAGGAA
 CAAAGCTACCGCCCAATCCAAAACCTGCCCCCAACCCCAAGCCATAAAGAATCCAT
 GCCCATACTGCGCAAGAAGAAGCTACAAGCCCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_006148

Insert Size:

4310 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_006148.1](#), [NP_006139.1](#)

RefSeq Size: 3846 bp

RefSeq ORF: 786 bp

Locus ID: 3927

UniProt ID: [Q14847](#)

Cytogenetics: 17q12

Domains: NEBU, SH3, LIM

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of a subfamily of LIM proteins, characterized by a LIM motif and a domain of Src homology region 3, and also a member of the nebulin family of actin-binding proteins. The encoded protein is a cAMP and cGMP dependent signaling protein and binds to the actin cytoskeleton at extensions of the cell membrane. The encoded protein has been linked to metastatic breast cancer, hematopoietic tumors such as B-cell lymphomas, and colorectal cancer. [provided by RefSeq, Oct 2012]

Transcript Variant: This variant (1) encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.