

Product datasheet for **SC123908**

Invadolysin (LMLN) (NM_033029) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Invadolysin (LMLN) (NM_033029) Human Untagged Clone
Tag:	Tag Free
Symbol:	Invadolysin
Synonyms:	GP63; INV; IX14; LMNL1; MSP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_033029, the custom clone sequence may differ by one or more nucleotides

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ATGGTAACGACGCTCGGCCGAAGATGGCGGCCGAATGGGGCGGAGGAGTGGGTTACTCGGGCTCAGGCC
CGGGCCGAGCCGGTGGCGCTGGAGCGGGTCTGTGTGGTCCGAAGCGTTTTACTCCTGTTGGGCGGGCT
CGGGCCAGCGCCACATCTACTCCCGTCTCCTTGGGCAGTCCCCTCCCGCCGCGACCAGTCCCCTCT
GACACTGAGGTCATAAATAAAGTTCATCTTAAGGCAAATCATGTGGTCAAGAGAGATGTTGATGAGCATT
TAAGAATCAAGACTGTCTATGATAAAAGTGTGAAGAGTTGCTCCCTGAGAAAAAGAATCTTGTAAGAA
CAAGCTTTTCCACAAGCGATTTCTTATTTAGAGAAGACTTTTCAGGTCCGTCGACCTGCGGGCACTATC
TTACTTAGCAGACAATGTGCAACAAACCAATACCTCCGGAAGGAAAACGATCCTCACAGGTACTGCACCG
GGGAGTGTGCCGACACACAAAGTGGCGCCCCGTATTGTTCTGAGGAACATCTCCAGCAATGCCGGGT
CTACCGTGGGGTAAGTGGCCTCATGGAGCAGTGGGTGTCCAGACCAAGAAGGCATCTCAGATGCAGAC
TTTGTCTTTACGTTGGTCTCTGGCCACCGAGAGATGCAGCCATGAAAACATCATCTCTTATGCAGCCT
ATTGTCAGCAGGAAGCAAACATGGACAGGCCAATAGCAGGATATGCTAACCTGTGTCCAAATATGATCTC
TACCCAGCCTCAGGAGTTTGTGGGATGCTGTCCACAGTGAAACATGAGGTTATTCATGCCTGGGTTTC
TCTGCTGGGCTGTTTGCATTCTACCATGATAAAGATGGAATCCTCTCACTTCAAGATTTGCAGATGGCC
TCCCACCTTTAATTATAGTCTGGGATTATCAATGGAGTGATAAAGTAGTTCGAAAAGTGAGAGATT
ATGGGATGTTTCGAGATAAATAAGTAGTTCGTCACACTGTGTATCTCCTGGTAACGCCCTCGTGTGTTGAG
GAAGCAGGAAAACATTTTGATTGTCCAGTCTAGAGGGAATGGAAGTGAAGGTTCAAGGTGGTGTGGGCA
CTGAGCTCAACCATTTGGGAAAAAGGTTATTAGAGAATGAAGCGATGACTGGTCTCACACTCAGAAATCG
AGTACTCTCGAATCACTCTGGCATTAAATGGAGGACACTGGGAGACAGATGCTGAGCCCTTACTGTGAC
ACGCTCAGAAGTAACCCACTGCAGCTAAGTTCGAGACAGGACCAGAGAGCAGTTGCCGTGTGTAATTTGC
AGAAGTCCCTAAGCCTTTACCACAGGAATACCGTACTTTGATGAACTCAGTGGAAATACCTGCAGAAGA
TTTGCCTTATTATGTTGGTCCGTTGGAATTTGCTGACTACTGCCCTTTCAGTCAGGAATTCAGTTGGCAT
TTAAGTGGTGAATATCAGCGCAGCTCAGATTGTAGAATATTGGAAAATCAACCAGAAATTTTAAAGAACT
ATGGCGTGAAGATGAGCCTCATTCCGTTTGTCTAATTCAGAAATCAGCATTCTGTTATGGAGAAGTG
TGAGAGGAAGCTGAGTTACCCAGACTGGGAAGCGGATGCTATCAGGTTTCTTGTCTCCTCAAGGTCTG
AAAGTTTGGTCCAAGATACTTCATATTTGTGTAGTGGGCTGGGCGAGTCTCCTGTGAGTATCCAGA
TGAATGGCTGGATTACGATGGAACCTGCTCTGCCCATCATGTTGGGACTTCTGTGAGCTCTGCTCTCC
AGAAACAGATCCTCCAGCCACTAACCTGACCCGAGCTCTGCCACTGATCTTTGTTCTGTTCTCTCGAGC
CTGGTGGTCACCCCTCTGGCTTCTGCTAGGCAATCTGTTTCTCTGCTGGTGGATTTCTTCTGTGTATAT
GGCACTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033029 unedited

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AAAGTTCAATATTTTGAATACGACTCACTATAGGGCGGCCGAATTCGCACCAGGCAC
TCCATGGTAACGACGCTCGGCCGAAGAGCGGCCGAATGGGGCGGAGGAGTGGGTTACT
CGGGCTCAGGCCCGGCCGAGCCGGTGGCGCTGGAGCGGGTCTGTGTGGTCCGAAGCG
TTTTACTCCTGTTGGGCGGGCTCCGGGCCAGGCCACATCTACTCCCGTCTCCTTGGGCA
GTTCCCTCCCTGCCGGCACCACGTCCCCTCTGACACTGAGGTCATAAATAAAGTTCATC
TTAAGGCAAATCATGTGGTCAAGAGAGATGTTGATGAGCATTAAAGAATCAAGACTGTCT
ATGATAAAAGTGTGAAGAGTTGCTCCCTGAGAAAAAGAATCTTGTAAGAACAAGCTTT
TCCCACAAGCGATTTCTTATTTAGAGAAGACTTTTCAGGTCCGTCGACCTGCGGGCACTA
TCTTACTTAGCAGACAATGTGCAACAAACCAATACCTCCGGAAGGAAAACGATCCTCACA
GGTACTGCACCGGGAGTGTGCCGACACACAAAGTGGCGCCCCGTTTTTGGTCCCTGAGG
AACATCTTCCGCAATGCCGGGTCTACCGTGGGGTAAGTGGCCTCATGGAGCAGTGGGTG
TGCCCGAACAAGAAAGCATCTTAGATTCCACCTTGTCTTTACATTGGTGTCTGGGCA
CCGGGAGATGCAACCTTTAAACATTTCTTTTATTGCGCCTATTGTTCACTGGAGAGCAA
ACATGTGCCAGGGCCATTAACGAGGAATGGCTAACCTGGTGCCCAAAATATTCTCTAT
CCAAACCTCCAGATGTTGTTTTGGGATGCTCTCCCACTTGAACATTAGGGTTACTTT
TGCTGGGGTTGGTTACATT
    
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Restriction Sites:	Please inquire
ACCN:	NM_033029
Insert Size:	4000 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:	<ol style="list-style-type: none"> 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:	<u>NM_033029.1</u> , <u>NP_149018.1</u>
RefSeq Size:	7043 bp
RefSeq ORF:	1968 bp
Locus ID:	89782
UniProt ID:	<u>Q96KR4</u>
Cytogenetics:	3q29
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	<p>This gene encodes a zinc-metallopeptidase. The encoded protein may play a role in cell migration and invasion. Studies of a similar protein in <i>Drosophila</i> indicate a potential role in mitotic progression. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2009]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the mid coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. 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.</p>