

Product datasheet for **RG227243**

Invadolysin (LMLN) (NM_001136049) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Invadolysin (LMLN) (NM_001136049) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Invadolysin
Synonyms:	GP63; INV; IX14; LMNL1; MSP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG227243 representing NM_001136049
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTAACGACGCTCGGCCGAAGATGGCGGCCGAATGGGCGGAGGAGTGGGTTACTCGGGCTCAGGCC
 CGGGCCGGAGCCGGTGGCGCTGGAGCGGGTCTGTGTGGGTCCGAAGCGTTTTACTCCTGTTGGGCGGGCT
 CCGGGCCAGCGCCACATCTACTCCCGTCTCCTTGGGCAGTTCCCTCCCTGCCGGCACCACGTCCCTCT
 GACACTGAGGTCAATAAATAAGTTCATCTTAAGGCAAATCATGTGGTCAAGAGAGATGTTGATGAGCATT
 TAAGAATCAAGACTGTCTATGATAAAAGTGTGAAGAGTTGCTCCCTGAGAAAAAGAATCTGTAAAGAA
 CAAGCTTTTCCACAAGCGATTTCTTATTAGAGAAGACTTTTCAGGTCCGTCGACCTGCGGGCACTATC
 TTACTIONAGCAGACAATGTGCAACAAACCAATACCTCCGGAAGGAAACGATCCTCACAGGTACTGCACCG
 GGGAGTGTGCCGACACACAAAGTGGGCCCCGTTATTGTTCTGAGGAACATCTCCAGCAATGCCGGGT
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 GTGTAGTCGGGCTGGGCAGGTCTCCCTGTGAGTATCCAGATGAATGGCTGGATTACAGTGGAAACCTG
 CTCTGCCCATCATGTTGGGACTTCTGTGAGCTCTGTCTCCAGAAACAGATCCTCCAGCCACTAACCTGA
 CCCGAGCTCTGCCACTTGATCTTTGTTCTCTCCTCGAGCCTGGTGGTCACCCTCTGGCTTCTGCTAGG
 CAATCTGTTTCTCTGCTGGCTGGATTTCTTCTGTGTATATGGCAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

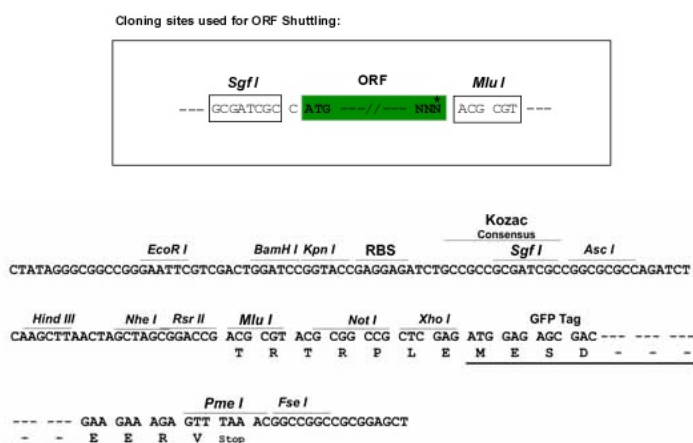
Protein Sequence: >RG227243 representing NM_001136049
Red=Cloning site Green=Tags(s)

MVTTLGPKMAAEWGGGVGYSGSGPGRSRWRWSGSVWVRVSVLLLLGLRASATSTPVSLGSSPPCRHHVPS
DTEVINKVHLKANHVVKRDVDEHLRIKTVYDKSVEELLPEKKNLVKNKLPQAISYLEKTFQVRRPAGT
LLSRQCATNQYLKENDPHRYCTGECAAHTKCGPVIPEEHLQPCRVRGGKWPBGAVGVPDQEGISDAD
FVLVYGALATERCSHENII SYAAYCQQEANMDRPIAGYANLCPNMISTQPQEFVGMLSTVKHEVIHALGF
SAGLFAFYHDKDGNPLTSRFADGLPPFNYSGLYQWSDKVVRKVERLWDVRDNKIVRHTVYLLVTPRVVE
EARKHFDPCVLEGMELNQQGGVGTELNHWEKRLLENEAMTGSHTQNRVLSRITLALMEDTGWYKANYSMA
EKLDWGRGMGCDVVRKSCKFWIDQQRQKRQMLSPYCDTLRSNPLQLTCRQDQRAVAVCNLQKFPKPLPQE
YQYFDELSGIPAEDLPYYGGSVEIADYCPFSQEFSWHLSGEYQRSSDCRILENQPEIFKNYGAEKYGPHS
VCLIQKSAFVMEK CERKLSYPDWGSGCYQVSCSPQGLKVWVQDTSYLSRAGQVLPVSIQMNGWIHDGNL
LCPSCWDFCELCPPETDPPATNLTRALPLDLCSCSSLVVTLWLLLLGNLFLLAGFLLCIWH

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001136049

ORF Size: 2076 bp

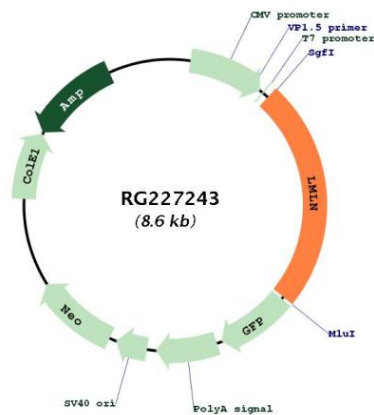
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_001136049.2, NP_001129521.2</u>
RefSeq Size:	7154 bp
RefSeq ORF:	2055 bp
Locus ID:	89782
UniProt ID:	<u>Q96KR4</u>
Cytogenetics:	3q29
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	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]

Product images:



Circular map for RG227243