

Product datasheet for **SC323973**

LSAMP (NM_002338) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LSAMP (NM_002338) Human Untagged Clone
Tag:	Tag Free
Symbol:	LSAMP
Synonyms:	IGLON3; LAMP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002338.2
 GGGGAGAGAGGCTCTGGGTTGCTGCTGCTTCTGCTGCTGCTGCTGCTGTGTGGCTGTTTC
 TGTACACTCACTGGCAGGCTTGGTGCCGGCTCCCTCGCCCGCCCGCCAGCCTGGGA
 AAGTGGGTTACAGAGCGAAGGAGCTCAGCTCAGACACTGGCAGAGGAGCATCCAGTCACA
 GAGAGACCAACAAGAACCCTTTCTTTGGCTTCTCTTCCAGCTTTCCAGAGGGCTTGC
 TATTTGCACTCTCTCTTTGAAATTGTGTTGCTTTTACTTTTACCCTTCTGCTTGGGTT
 TTATGAGGGCTTTGTTAAGTCTTAGAGGGAAAAGAGACTGAGCGAGGGAAAAGAGAGAGGC
 AAAGTGGAAAGGACCATAAACTGGCAAAGCCCGCTCTGCGCTCGCTGTGGATGAAAGCCC
 CGTGTTGGTGAAGCCTCTCCTCGCGAGCAGCGCACCCCTCCAGAGCACCCCGCGGACC
 CGCACCTCGGCGTGGCCACCATGGTCAGGAGAGTTAGCCGGATCGAAACAGTTGCCAC
 TGGTCTACTGAGATTGCTCTGCCTTCTCCACAGGACTGCCTGTTCCGAGCGTGGATT
 TTAACCGAGGCACGACAACATCACCGTGAGGCAGGGGGACACAGCCATCCTCAGGTGCG
 TTGTAGAAGACAAGAACTCAAAGGTGGCTGGTTGAACCGTTCTGGCATCATTTTGTCTG
 GACATGACAAGTGGTCTCTGGACCCACGGGTTGAGCTGGAGAAACGCCATTCTCTGGAAT
 ACAGCCTCCGAATCCAGAAGGTGGATGTCTATGATGAGGGTTCCCTACACTTGCTCAGTTC
 AGACACAGCATGAGCCCAAGACCTCCCAAGTTTACTTGATCGTACAAGTCCCACCAAGA
 TCTCCAATATCTCCTCGGATGCTACTGTGAATGAGGGCAGCAACGTGACTCTGGTCTGCA
 TGGCCAATGGCCGTCCTGAACCTGTTATCACCTGGAGACACCTTACACCAACTGGAAGGG
 AATTTGAAAGGAGAAGAAGAAATATCTGGAGATCCTTGGCATCACCAGGGAGCAGTCAGGCA
 AATATGAGTGCAAAGCTGCCAACGAGGTCTCCTCGGCGGATGTCAAACAAGTCAAGGTCA
 CTGTGAACTATCCTCCCACTATCACAGAATCCAAGAGCAATGAAGCCACCACAGGACGAC
 AAGCTTCACTCAAATGTGAGGCCCTCGGCAGTGCCTGCACCTGACTTTGAGTGGTACCGGG
 ATGACACTAGGATAAATAGTGCCAATGGCCTTGAGATTAAGAGCACGGAGGGCCAGTCTT
 CCCTGACGGTGACCAACGTCACCTGAGGAGCACTACGGCAACTACACCTGTGTGGCTGCCA
 ACAAGCTGGGGGTCACCAATGCCAGCCTAGTCCTTTTTCAGACCTGGGTGGTGGAGGAA
 TAAATGGATCCATCAGTCTGGCCGTACCACTGTGGCTGCTGGCAGCATCTCTGCTCTGCC
 TTCTCAGCAAATGTTAATAGAATAAAAAATTTAAAAATAAAAAAAAAAAAAAAAAAAAAAA
 AAA
 AAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_002338

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA

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:	NM_002338.2 , NP_002329.2
RefSeq Size:	1640 bp
RefSeq ORF:	1017 bp
Locus ID:	4045
UniProt ID:	Q13449
Cytogenetics:	3q13.31
Domains:	ig, IGc2, IG
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a member of the immunoglobulin LAMP, OBCAM and neurotrimin (IgLON) family of proteins. The encoded preproprotein is proteolytically processed to generate a neuronal surface glycoprotein. This protein may act as a selective homophilic adhesion molecule during axon guidance and neuronal growth in the developing limbic system. The encoded protein may also function as a tumor suppressor and may play a role in neuropsychiatric disorders. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter 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>