

Product datasheet for **MR223559**

Lgsn (NM_153601) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lgsn (NM_153601) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lgsn
Synonyms:	Gluld1; lengsin; Lgs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223559 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGACGAAGGGACCTCGCACAGGAGGACACAGCAAAGATGAAGGCAATGTGACTGAAGGCAGCA
 GGATGAGCAAACCTGAGAAGGGCAAGGAGAAAAGTACCAAACCATCTTTGCTCAATGGATGGGAAGA
 AATCGCCAAGGCCAATTCAGTGAGATGTCAGAAACCAATAGCAGATCTGAGCAAACCTGGCTCTGCT
 GAGTCTTGGTCTCGCACAGTGCCAAAGATGCCTACCACCCGACACCAAGTGGTAAACCCCTCGTTCCCA
 GTGCCCTTAGCCGGTCTCTGATGCTGAATTCAGCCCAATACTGATCCCACCCGGTACAATGCTCAGAG
 TTTTAACCCGCCTCACTTTCTGCTAGAATGAAACACATTAACAAGAAATGGCCAAAACACCTCCAG
 TTTGTACGATTTGAAGCAACAGATTTGCACGGTGTCTCCAGATCTAAGAGCATCCCCGCACAGTTTTTTC
 AAGAAAAGTGATCCACGGAGTTTTTCATGCCCGTGGGTATCTGGAATTGATGCCGAACCCTAAGGACAA
 TGAGGTGAATCACATAAGAGCCACATGCTTCAATAGTGATATAGTCCTCATGCCAGAGCTGTCGACCTTC
 AGAGTCTTGCCTTGGGCAGAGAGGACTGCGAGGGTGATTTGTGACACCTTACAGTGACGGGCGAGCCTC
 TCTGACATCCCCTAGGTACATCGCAAGAGGCAGCTGCGCCAGCTGCAGGACGCCGGCTTCTGCCTGCT
 GTCCGCTTTATCTATGATTTTCTGCATTTTTGGTGTGCCGAAGTGATCAATTCAAAGACCATATCTTTT
 CCTGCCTCCACATTACTAAGTAACCATGATCAGCCCTTTCATGCAGGAAGTGGTTGAGGGCCTGTATCAGA
 CAGGGGCGAATGTGGAGAGCTTCTCCTCGTCTACCAGGCTGGGCAGATGGAGATCTGTTTTCTCCAGA
 GTTTGGCATTAGCTCAGCTGATAATGCCTTACCTCAGAACAGGTCTCCAAGAAGTGGCCAGGAGATAT
 AATTACATAGCTAGCCTTGAATTGAGACTGGATTCTGCAATTCAGGAATTTGTCTCATAGCATCTGGG
 ATGTGGGCGGAAGACAAATATGTTCTGCAGTGGTTCTGGGGTGGAGAGGCTCACGCTCACGGGAAGAA
 GTGGTTGGCAGGCTGCTGAAGCACTCTGCGGCTCTCAGCTGCCTGATGGCCCTGCGGTCAACTGTGCG
 AAGCGCTACTGCAAGGACAGCAGAGACCTGAAGGACAGCGTGCCACCACGTGGGGATACATGACAACA
 GCTGTGCCTTGAACATCAAGTGTGATGGTGAAGGACCCAGATAGAAAATAAAGTGGTCTGCAAC
 CGCAACCCTTACCTGGTGTGGCGGCCACTGTGGCAGCAGGCTTGGATGGTCTTCCAGAGCAGTGTGGT
 GCTGCGGCTGGTCCGATGAGAGTCAGGATCTCTATCAACCAGAACCTTCCGAGATCCCTTTGAAGATGG
 AAGATGCCCTTGGCGCCTGGAGCAAGATGAGTGTCTGAAGCAGGCTCTGGGAGAGACTTTCATCCGCTA
 CTTTGTGCCATGAAGAAGTATGAACTGGAACCAAGAAACAGATGCAGAGGGAATAAATTCCTGGAG
 TATTTTATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223559 protein sequence
 Red=Cloning site Green=Tags(s)

MTDEGLAQEDTAKDEGNVTEGSRMSKLRARRKVTKPHLCSMDGEEIAKANSSEMSRNQIADLSKPGSA
 ESWSHSAKDAYHPTPVVKPSLPSALAGAPDAEFSPNTDPTRYNAQSFNPPQLSARMKHIKQEMAKNHLQ
 FVRFEATDLHGVSRSKSIQAQFFQEKVIHGVFMPRGYLELMPNPKDNEVNHIRATCFNSDIVLMPPELSTF
 RVLPAERTARVICDTFTVTGPELLTSPRYIAKRQLRQLQDAGFCLLSAFIYDFCIFGVPEVINSKTISF
 PASTLLSNHDQPFMQELVEGLYQTGANVESFSSSTRPGQMEICFLPEFGISSADNAFTLRTGLQEVARRY
 NYIASLVIETGFCNSGILSHSIWDVGGKTNMFCSGSGVERLTLTGKKWLAGLLKHSAL SCLMAPAVNCR
 KRYCKDSRDLKDSVPTTWGYNDNSCALNIKCHGEKGTQIENKLG SATANPYLVLAATVAAGLDGLQSSDG
 AAAGSDESQDLYQPEPSEIPLKMEDALAALEQDECLKQALGETFIRYFVAMKKYELENEETDAEGNKFLF
 YFI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_153601

ORF Size: 1692 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: [NM_153601.1](#), [NP_705829.1](#)

RefSeq Size: 1911 bp

RefSeq ORF: 1692 bp

Locus ID: 266744

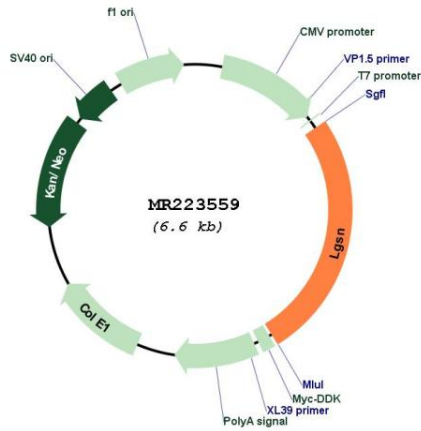
UniProt ID: [Q8CIX8](#)

Cytogenetics: 1 B

MW: 62.2 kDa

Gene Summary: May act as a component of the cytoskeleton or as a chaperone for the reorganization of intermediate filament proteins during terminal differentiation in the lens. Does not seem to have enzymatic activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223559