

Product datasheet for **MG223559**

Lgsn (NM_153601) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lgsn (NM_153601) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lgsn
Synonyms:	Gluld1; lengsin; Lgs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG223559 representing NM_153601
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGACGAAGGGACCTCGCACAGGAGGACACAGCAAAGATGAAGGCAATGTGACTGAAGGCAGCA
 GGATGAGCAAACCTGAGAAGGGCAAGGAGAAAAGTACCAAACCATCTTTGCTCAATGGATGGGAAGA
 AATCGCCAAGGCCAATTCAGTGAGATGTCAGAAACCAATAGCAGATCTGAGCAAACCTGGCTCTGCT
 GAGTCTTGGTCTCGCACAGTGCCAAAGATGCCTACCACCCGACACCAAGTGGTAAACCCCTCGTTCCCA
 GTGCCCTTAGCCGGTCTCTGATGCTGAATTCAGCCCGAATACTGATCCCACCCGGTACAATGCTCAGAG
 TTTTAACCCGCCCAACTTTCTGCTAGAATGAAACACATTAACAAGAAATGGCCAAAACACCTCCAG
 TTTGTACGATTTGAAGCAACAGATTTGCACGGTGTCTCCAGATCTAAGAGCATCCCCGCACAGTTTTTTC
 AAGAAAAGTGATCCACGGAGTTTTCATGCCCGTGGGTATCTGGAATTGATGCCGAACCCTAAGGACAA
 TGAGGTGAATCACATAAGAGCCACATGCTTCAATAGTGATATAGTCCTCATGCCAGAGCTGTCGACCTTC
 AGAGTCTTGCCTTGGGCAGAGAGACTGCGAGGGTGATTTGTGACACCTTACAGTGACGGGCGAGCCTC
 TCTGACATCCCCTAGGTACATCGCAAGAGGCAGCTGCGCCAGCTGCAGGACGCCGGCTTCTGCCTGCT
 GTCCGCTTTATCTATGATTTTCTGCATTTTTGGTGTGCCCGAAGTGATCAATTCAAAGACCATATCTTTT
 CCTGCCTCCACATTACTAAGTAACCATGATCAGCCCTTATGCAGGAAGTGGTTGAGGGCCTGTATCAGA
 CAGGGGCGAATGTGGAGAGCTTCTCCTCGTCTACCAGGCTGGGCAGATGGAGATCTGTTTTCTCCAGA
 GTTTGGCATTAGCTCAGCTGATAATGCCTTACCTCAGAACAGGTCTCCAAGAAGTGGCCAGGAGATAT
 AATTACATAGCTAGCCTTGTAATTGAGACTGGATTCTGCAATTCAGGAATTTGTCTCATAGCATCTGGG
 ATGTGGGCGGAAGACAAATATGTTCTGCAGTGGTTCTGGGGTGGAGAGGCTCACGCTCACCGGAAGAA
 GTGGTTGGCAGGCTGCTGAAGCACTCTGCGGCTCTCAGCTGCCTGATGGCCCTGCGGTCAACTGTGCG
 AAGCGCTACTGCAAGGACAGCAGAGACCTGAAGGACAGCGTGCCACCACGTGGGGATACAATGACAACA
 GCTGTGCCTTGAACATCAAGTGTGATGGTGAAGAAAGGCACCCAGATAGAAAATAAACTAGGGTCTGCAAC
 CGGAACCCCTTACCTGGTGTGGCGGCCACTGTGGCAGCAGGCTTGGATGGTCTTCCAGAGCAGTGTGGT
 GCTGCGGCTGGTCCGATGAGAGTCAGGATCTCTATCAACCAGAACCTTCCGAGATCCCTTTGAAGATGG
 AAGATGCCCTTGGCGCCTGGAGCAAGATGAGTGTCTGAAGCAGGCTCTGGGAGAGACTTTCATCCGCTA
 CTTTGTGCCATGAAGAAGTATGAACTGGAACGAAGAACAGATGCAGAGGGAATAAATTCCTGGAG
 TATTTTATA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG223559 representing NM_153601
 Red=Cloning site Green=Tags(s)

MTDEGLDAQEDTAKDEGNVTEGSRMSKLRARRKVKPHLCSMDGEEIAKANSSEMSRNQIADLSKPGSA
 ESWSSSAKDAYHPTPVVKPSLPSALAGAPDAEFSPNTDPTRYNAQSFNPPQLSARMKHIKQEMAKNHLQ
 FVRFEATDLHGVSRSKSIQAQFFQEKVIHGVFMPRGYLELMPNPKDNEVNHIRATCFNSDIVLMPPELSTF
 RVLPAERTARVICDTFTVTGPELLTSPRYIAKRQLRQLQDAGFCLLSAFIYDFCIFGVPEVINSKTISF
 PASTLLSNHDQPFMQELVEGLYQTGANVESFSSTRPGQMEICFLPEFGISSADNAFTLRTGLQEVARRY
 NYIASLVIETGFCNSGILSHSIWDVGGKTNMFCSGSGVERLTLTGKKWLAGLLKHAAL SCLMAPAVNCR
 KRYCKDSRDLKDSVPTTWGYNDNSCALNIKCHGEKGTQIENKLG SATANPYLVLAATVAAGLDGLQSSDG
 AAAGSDESQDL YQPEPSEIPLKMEDALAALEQDECLKQALGETFIRYFVAMKKEYELENETDAEGNKFLE
 YFI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

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:	<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_153601.1 , NP_705829.1
RefSeq Size:	1911 bp
RefSeq ORF:	1692 bp
Locus ID:	266744
UniProt ID:	Q8CIX8
Cytogenetics:	1 B
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]