

## Product datasheet for **RN202990**

### **Lgsn (NM\_181383) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Lgsn (NM_181383) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lgsn
Synonyms:	Gluld1; Lgs
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN202990 representing NM\_181383  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACGATGAAGGGACCTTGACAGGAGGACACAACAAAAGATGAAGCAAACCTCGACTGAAGGCAGCA  
 GGGTGAACAAGTTGAAAAGGACAAGAAGAAAAGTCACCAAACCACATCTTTGCTCAGCAGATGGGGATGA  
 AATCACCATGGCCAATTCAGGGAGATGTCAGAAACCAAACAGCAGATCTGAGCAAACCTGGCTCTGCT  
 GAGTCTTGGTCTGACACAATGCCAAAGACGCCAAGATCAGATACCAGTGGTAAATCTTCACTTCCCA  
 GTGCTGGTCTCTGATGCTGAATCAACCCGAATACTGATCACACTCGGGACAATGCTCAGAGTTTGT  
 CCTGCCTCAACTTTCTTCTAGAATGAAACACATCAAACAAGAAATGGCCAAAAATCACCTCCAGTTTGT  
 CGATTTGAAGCCACAGACTTGCACGGTGTCTCCAGATCTAAGAGCATCCCTGCACAATTTTTCAAGAAA  
 AAGTGATCCATGGAGTTTTCATGCCCGTGGTTATCTGGAATTGATGCCGAACCCTAAGGACAATGAGGT  
 AAATCACATACGAGCCAGTGTCAATAGTGACATAGTCCTCATGCCAGAGCTGTGCACCTTTAGAGTC  
 TTGCCTTGGGCAGAGAGGACTGCGCGGGTGATTTGTGACACCTTCACTGTGACGGGCGAGCCTCTGCTGA  
 CGTCCCTAGGTACATCGCAAGAGGCAGTTGCGCCAGCTGCAGGATGCCGGCTTCTCTGCTGTCTGC  
 CTTTCATCTATGATTTCTGCATTTTCGGTGTGCCGAAGTGATCAATTCAAAGACCATATCTTTCTGCTGC  
 TCGACATTACTAAGTAATCATGACCAGCCCTTCATGCAGGAGCTGGTTGACGGCTTGATACACACAGGGG  
 CAAATGTGGAGAGCTTCTCTCTTCTACCAGGCCTGGGCAAAATGGAGATCTGTTTTCTCCCGAGTTTGG  
 CATTAGCTCAGCGGATAATGCCTCACCCCTCAGAACAGGTGTCCAAGAAGTGCCAGGAGATATAACTAC  
 ATAGCAAGCCTTGTAAATGAGACTGGATTCTGCAACTCAGGAATTTGTCTCATAGCATCTGGGATGTGA  
 GCGGGAAGACAACATGTTCTACAGTGGTTCTGGGGTGGAGAGGCTCACGCTCACCGGGAAGAAGTGTT  
 GGCAGGCCTGCTGAAGCACTCTGCGGCTCTCAGCTGCCTGATGGCCCTGCTGTCAACTGCCGCAACGC  
 TACTGCAAGGACAGCAGAGACCTGAAGGACAGCGTGCCACCACGTGGGATACAACGACAACAGCTGTG  
 CCTTGAACGTCAAGTGTGATGGTAAAAAGGCACCCAGATAGAAAATAAATTAGGTTTCGGCAACCCGAA  
 CCCTTACCTGGTATTGGCCGCTACTGTGGCAGCAGGCTTGGATGGTCTTCAGAGCAGTGTGGTGTGCG  
 GCTGAATCCGATGAGAGCCAGGATCTCTATCAACCAGAACCTCCGAGATCCCTTTGAAGATGGAAGATG  
 CCCTCGCCGCCCTAGAGCAAGATGAGTGTCTGAAGCAGGCACTGGGAGAGACTTTCATTCGCTATTTTGT  
 TGCCATGAAGAAGTACGAACTGGAAAATGAAGAAACAGACGCAGAGGGAAATAAATCCTGGAGTATTTT  
 ATATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_181383
- Insert Size:** 1686 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:**

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\\_181383.2](#), [NP\\_852048.1](#)

**RefSeq Size:** 1910 bp

**RefSeq ORF:** 1686 bp

**Locus ID:** 316304

**UniProt ID:** [Q7TT51](#)

**Cytogenetics:** 9q21

**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 (By similarity).[UniProtKB/Swiss-Prot Function]