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Product datasheet for SC108402

LSG1 (NM_018385) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LSG1 (NM_018385) Human Untagged Clone
Tag:	Tag Free
Symbol:	LSG1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_018385, the custom clone sequence may differ by one or more nucleotides

ATGGGCCGGAGGAGAGCCCCGGCCGGTGGGTCGCTGGGACGGGCCCTTATGCGCCATCAGACTCAGCGGA
GCCGAAGCCATCGTCACACTGACTCCTGGTTGCACACAAGTGAACTCAATGATGGCTATGATTGGGGTCG
TCTTAATCTTCAGTCAGTGACTGAACAGAGCTCCCTTGATGACTTCCTTGCTACTGCAGAACTTGCAGGA
ACAGAGTTTGTAGCTGAGAAACTTAATATTAAGTTTGTGCCTGCTGAGGCTAGAACTGGACTACTGTCTT
TCGAGGAGAGCCAGAGAATTAAGAAGCTCCATGAAGAAAACAAACAGTTCTTGTGTATACCGAGGAGACC
AAACTGGAACCAAAATACTACCCCAGAAGAACTCAAACAAGCAGAGAAAGATAACTTTCTAGAATGGAGA
CGTCAGCTTGTCCGGCTAGAAGAGGAACAGAAGCTGATATTGACTCCATTTGAACGAAATTTGGACTTTT
GGCGCCAGCTCTGGAGAGTCATTGAGAGAAGTGATATTGTGGTCCAGATAGTAGATGCTCGAAACCCACT
CCTGTTTAGATGTGAGGATTTGGAATGTTATGTGAAAGAAATGGATGCCAATAAGGAGAACGTCATTCTG
ATCAACAAGGCAGACTTGCTGACTGCTGAGCAGCGGAGTGCCTGGGCCATGTACTTCGAAAAAGAAGATG
TGAAGGTTATTTTCTGGTCAGCTTTGGCCGGAGCCATTCCCCTGAATGGTGACTCTGAGGAAGAGGCAAA
CAGAGATGATAGACAAAGCAACACAACCAAGTTTGGACATTCCAGTTTCGACCAGGCTGAAATTTCCCAC
AGTGAATCCGAACATCTCCCAGCTAGGGATTCTCCTTCACTTAGTGAAAATCCCACAACGGATGAAGATG
ACAGTGAGTATGAGGACTGTCCAGAGGAGGAGGAAGACGACTGGCAGACGTGCTCAGAAGAAGACGGTCC
CAAGGAAGAGGACTGCAGCCAGGACTGGAAGGAAAGCTCTACTGCAGATTCTGAGGCTCGGAGCAGGAAA
ACCCCACAGAAGAGGCAGATACACAATTTTAGCCATCTGGTATCCAAGCAGGAGTTACTGGAGCTCTTTA
AGGAGCTACACACTGGGAGAAAGGTGAAAGATGGGCAACTTACGGTCGGACTGGTGGGCTACCCTAATGT
TGGTAAGAGTTCAACAATCAACACCATCATGGGCAACAAGAAAGTATCTGTGTCTGCCACACCTGGTCAC
ACAAAGCACTTTCAGACTCTCTATGTGGAGCCTGGCCTCTGCCTGTGTGACTGTCCTGGCTTGGTGATGC
CATCTTTTGTGTCTACCAAGGCAGAAATGACTTGCAGCGGAATCCTCCCAATTGATCAGATGAGAGATCA
TGTTCCTCCTGTATCACTAGTTTGCCAGAATATTCCAAGACATGTTTTAGAAGCTACCTATGGCATTAAC
ATCATAACGCCTAGAGAGGATGAAGATCCCCACCGACCTCCAACATCGGAAGAACTGTTGACAGCTTATG
GATACATGCGAGGATTCATGACAGCGCATGGACAGCCAGACCAGCCTCGATCTGCGCGCTACATCCTGAA
GGACTATGTCAGTGGTAAGCTGCTGTACTGCCATCCTCCTCCTGGAAGAGATCCTGTAACTTTTCAGCAT
CAACACCAGCGACTCCTAGAGAACAAAATGAACAGTGATGAAATAAAAATGCAGCTAGGCAGAAATAAAA
AAGCAAAGCAGATTGAAAATATCGTTGACAAAACTTTTTTCCATCAAGAGAATGTGAGGGCTTTGACCAA
AGGAGTCCAGGCTGTGATGGGTTACAAGCCCGGGAGTGGTGTAGTGACTGCATCCACTGCGAGCTCTGAG
AACGGGGCGGGGAAGCCCTGGAAAAAACATGGCAACAGAAATAAAAAAGAAAAAAGTCGTAGACTCTACA
AGCACCTGGATATGTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018385 unedited
TCAGATTTTGTAATACGACTTCACTATAGGGCGGCCGCGAATTCGCACGAGGGGAAGCTT
CGTCCAGCGGTCGTGTTGCCATGGGCCGGAGGAGAGCCCCGGCCGGTGGGTCGCTGGGAC
GGGCCCTTATGCGCCATCAGACTCAGCGGAGCCGAAGCCATCGTCACACTGACTCCTGGT
TGCACACAAGTGAACTCAATGATGGCTATGATTGGGGTCGTCTTAATCTTCAGTCAGTGA
CTGAACAGAGCTCCCTTGATGACTTCCTTGCTACTGCAGAACTTGCAGGAACAGAGTTTG
TAGCTGAAAAACTTAATATTAAGTTTGTGCCTGCTGAGGCTAGAACTGGACTACTGTCTT
TCGAGGAGAGCCAGAGAATTAAGAAGCTCCATGAAGAAAACAAACAGTTCTTGTGTATAC
CGAGGAGACCAAACTGGAACCAAAATACTACCCCAGAAGAACTCAAACAAGCAGAGAAAG
ATAACTTTCTAGAATGGAGACGTCAGCTTGTCCGGCTAGAAGAGGAACAGAAGCTGATAT
TGACTCCATTTGAACGAAATTTGGACTTTTGGCGCCAGCTCTGGAGAGTCATTGAGAGAA
GTGATATTGTGGTCCAGATAGTAGATGCTCGAAACCCACTCCTGTTTAGATGTGAGGATT
TGGAATGTTATGTGAAAGAAATGGATGCCAATAAGGAGAACGTCATTCTGATCAACAAGG
CAGACTTGCTGACTGCTGAGCAGCGGAGTGCCTNGGCCATGTACTTCGAAAAGAAGATGT
GAAGGTTATTTTCTGGTCAGCTTTGGCCGGAGCCATTCCCCTGAATGGTGACTCTNGAGA
AAGAGGCAACAGAGATGATAGACANAGNNCACACACTGAGTTNGGACATTNCAGTTNCGA
CCAGNCTGAAATTNCCACAGTGAATNCCGACATCTCCAGCTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018385 unedited
AACGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTATAAANAAAGAGGTTTA
ATTGGCTCACGGTCCAGTAGATGGTACAGGAAGCACAGCAGCTTTTGCTTCTAGGGAGGC
CTCAGGAAACTTACAATCATGTTAGAAGGCGAAGGAGAAGCAGGCACATCTTATATGGCC
AGAGCAGGAGGGAGACAGAGGGGAGGCACCACACACTTTGAAGCAACCAGATGTGATGAG
GACTCAATATCAGGAGAACAGCACTGAGCGGGTGGTGCTAAACCGTTTGTGAGGACTCTG
CCCCATAATCCCATCGCCTCCCACCAGGGGGCTTACATTTCAACATGAGACTCGGTGAGG
ACACAGATCCAAACCACATCAATAGTGCTTTCATGCTTTTGATTATCTTTTGTAACTATG
TTATTGAACTATAATTTACATACCATACAATTCACCAACGTAAAGTGTGTAATTCAATGG
TCTTAAGCATATTCAGAGTTGTGTGACCATCGCTACAGTCAATTTTAGGACATTTTTATC
ACTGCAAAAGAAAGACCTCAATCTTCCCATTCCTCCCATCCCGAAGCAACCACTAATCTA
CTTCCTCTATATGGAGATTTGCTTATTCTGGACATTTTAAATAAGTGGAATAACCAGTGA
AGATGGGGGCTAGGTAGTAAATACCGCAGCTTCCCTGTCACCCGGTGGTTACATTCTACA
TGTTCCTTAGTGGACGTGAGCCCNCGCTGTACACTAACTGAACCCAGTNCCTTGTTAGAG
TCGGAGGAACCCNACTAGACACTCAGATGGGGAAATTCTCTTTCACTTCGTCCAAATGTG
TCTCGTGACCATCCCTGCAATTTTTTTCTTGTGATGCGTCTACTTGCGCGCCTTGGAAGG
GCAAGGGGCCAATTCCATTACTGCAACTCTGCTCCTGGNNTCAGTGATTCTCTGCCTAGC
TCCGAGTACTGGATACAGTGCCGCCACCGCTGGCTATTTTTGAT

Restriction Sites: NotI-NotI

ACCN: NM_018385

Insert Size: 3100 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_018385.1, NP_060855.1

RefSeq Size: 3290 bp

RefSeq ORF: 1977 bp

Locus ID: 55341

UniProt ID: Q9H089

Cytogenetics: 3q29

Domains: MMR_HSR1

Gene Summary: This gene encodes a protein related to the yeast large subunit GTPase 1. The encoded protein is necessary for cell viability and may localize in the endoplasmic reticulum, nucleus and cytoplasm.[provided by RefSeq, Feb 2009]