

## Product datasheet for **SC321789**

### LRG1 (NM\_052972) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LRG1 (NM_052972) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRG1
Synonyms:	HMFT1766; LRG
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\_052972.2  
 AGCAGAGTACCATGTCCTCTTGGAGCAGACAGCGACCAAAAAGCCAGGGGCATTCAA  
 CCCCATGTTTCTAGAACTCTGTTCTGCTGCTGTTGGCAGCCTCAGCCTGGGGGGTC  
 ACCCTGAGCCCCAAAGACTGCCAGGTGTTCCGCTCAGACCATGGCAGCTCCATCTCTGT  
 CAACCACCTGCCGAAATCCCCGGCTACCTGCCAGCCGACACCGTGACCTGGCCGTGGAA  
 TTCTTCAACCTGACCCACCTGCCAGCAACCTCCTCCAGGGCGCCTCTAAGCTCCAAGAA  
 TTGCACCTCTCCAGCAATGGGCTGGAAAGCCTCTCGCCCGAATTCCTGCGGCCAGTGCCG  
 CAGCTGAGGGTGCTGGATCTAACCCGAAACGCCCTGACCGGGCTGCCCTCGGGCCTCTTC  
 CAGGCCTCAGCCACCCTGGACACCCTGGTATTGAAAGAAAACCAGCTGGAGGTCCTGGAG  
 GTCTCGTGGCTACACGGCCTGAAAGCTCTGGGCATCTGGACCTGTCTGGGAACCGCCTC  
 CGGAAACTGCCCCCGGGCTGCTGGCAACTTACCCTCTGCGCACCTTGACCTTGGG  
 GAGAACCAGTTGGAGACCTTGCCACCTGACCTCCTGAGGGTCCGCTGCAATTAGAACGG  
 CTACATCTAGAAGGCAACAAATTGCAAGTACTGGGAAAAGATCTCTCTTGCCGAGCCG  
 GACCTGCGCTACCTTCTTCTGAACGGCAACAAGCTGGCCAGGGTGGCAGCCGGTGCCTTC  
 CAGGGCCTGCGGCAGCTGGACATGCTGGACCTCTCAATAACTACTGGCCAGCGTGCC  
 GAGGGGCTCTGGGCATCCCTAGGGCAGCCAAACTGGGACATGCGGGATGGCTTCGACATC  
 TCCGGCAACCCCTGGATCTGTGACCAGAACCTGAGCGACCTCTATCGTTGGCTCAGGCC  
 CAAAAAGACAAGATGTTTTCCAGAATGACACGCGCTGTGCTGGGCCTGAAGCCGTGAAG  
 GGCCAGACGCTCCTGGCAGTGGCCAAGTCCCAGTGAGACCAGGGGCTTGGGTTGAGGGTG  
 GGGGGTCTGGTAGAACTGCAACCCGCTTAACAAATAATCCTGCCTTTGGCCGGGTGCG  
 GGGGCTCACGCCGTAGTCCCAGCACTTGGGAGGCCAGGTGGGCGGATCACGAGGTCA  
 GGAGATCGAGACCATCTGGCTAACATGGTGAACCCCTGTCTCTACTAAAAATATAAAAA  
 ATTAGCCAGGCGTGGTGGTGGCACCTGTAGTCCAGCAACTCGGGAGGCTGAGGCAGGA  
 GAATGGCGTGAACCTTGGGAGCGGAGCTTGCGGTGAGCCAAGATCGTGCCACTGCACTCT  
 AGCCTGGGCGACAGAGCAAGACTGTCTCAAAAAATTAATAATTAATAAAAAACAAATA  
 ATCCTGCCTTTTACAGGTGAAACTCGGGGCTGTCCATAGCGGCTGGGACCCCGTTTCATC  
 CATCCATGCTTCTAGAACACACGATGGGCTTTCCTTACCATGCCCAAGGTGTGCCCTC  
 CGTCTGGAATGCCGTTCCCTGTTTCCCAGATCTTGAACCTGCGGTTCTCCAGCCCT  
 TGTCTTCTTCCAGCTGAGCCCTGGCCACACTGGGGCTGCCTTCTCTGACTCTGTCTT  
 CCCCAAGTCAGGGGCTCTGTAGTGCAGGTCTGATGCTGAGTCCCACTTAGCTTGGG  
 TCAGAACCAAGGGGTTTAAATAAATAACCCTTGAAAAGTAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_052972

**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:**

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\\_052972.2](#), [NP\\_443204.1](#)

**RefSeq Size:** 1780 bp

**RefSeq ORF:** 1044 bp

**Locus ID:** 116844

**UniProt ID:** [P02750](#)

**Cytogenetics:** 19p13.3

**Domains:** LRRCT, LRR, LRR\_TYP, LRR\_PS

**Protein Families:** Secreted Protein

**Gene Summary:** The leucine-rich repeat (LRR) family of proteins, including LRG1, have been shown to be involved in protein-protein interaction, signal transduction, and cell adhesion and development. LRG1 is expressed during granulocyte differentiation (O'Donnell et al., 2002 [PubMed 12223515]).[supplied by OMIM, Mar 2008]