

Product datasheet for **SC127734**

LRRC8A (NM_019594) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC8A (NM_019594) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRC8A
Synonyms:	AGM5; HsLRRC8A; LRRC8; SWELL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC127734 sequence for NM_019594 edited (data generated by NextGen Sequencing)

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ATGATTCGGTGACAGAGCTCCGCTACTTTGCGGACACGCAGCCAGCATACCGGATCCTG
AAGCCGTGGTGGGATGTGTTACAGACTACATCTATCGTCATGCTGATGATTGCCGTC
TTCCGGGGGACGCTGCAGGTACCCAAGACAAGATGATCGCTGCCTGTGTAAGTGGGTC
ACCAAGGACTCCTGCAATGATTCGTTCCGGGGCTGGGCAGCCCCGGCCCGGAGCCCACC
TACCCCAACTCCACCATTCTGCCGACCCCTGACACGGGCCCCACAGGCATCAAGTATGAC
CTGGACCGGCACCCAGTACAACACTCGTGGACGCTGTGTGCTATGAGAACCAGTGCCTGG
TTTGCCAAGTACTTCCCCTACCTGGTGCTTCTGCACACGCTCATCTTCTGGCCTGCAGC
AACTTCTGGTTCAAATCCCGCGCACCAGCTCGAAGCTGGAGCACTTTGTGTCTATCCTG
CTGAAGTGCTTCGACTCGCCCTGGACCACGAGGGCCCTGTGGAGACAGTGGTGGAGGAG
AGCGACCCCAAGCCGGCCTTCAGCAAGATGAATGGGTCCATGGACAAAAGTCAATCGACC
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CAGGGTATCGTGGACCGCTCAGAGACGGGCGTGTGGACAAGAAGGAGGGGGAGCAAGCC
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TACCGCCTCTACATGCGGCAGACCATCATCAAGGTGATCAAGTTCATCCTCATCATCTGC
TACACCGTCTACTACGTGCAACAATCAAGTTCGACGTGGACTGCACCGTGGACATTGAG
AGCCTGACGGGCTACCGCACCTACCGCTGTGCCACCCCTGGCCACACTCTTCAAGATC
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CAATACGACCCGCTCTACTCCAAGCGCTTCGCCGTCTTCTGTGGAGGTGAGTGAGAAC
AAGCTGCGGCAGCTGAACCTCAACAACGAGTGGACGCTGGACAAGCTCCGGCAGCGGCTC
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CTCAAGGACAACAACCTCAAGACCATCGAGGAGATCATCAGCTTCCAGCACCTGCACCGC
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CTACCAACCTGGAGCGCCTCTACTGAACCGCAACAAGATCGAGAAGATCCCCACCCAG
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CTGCGGGGCAACCGCTGGAGTGCTGCCTGTGGAGCTGGGCGAGTGCCACTGCTCAAG
CGCAGCGGCTTGGTGGTGGAGGAGACCTGTTCAACACACTGCCACCCGAGGTGAAGGAG
CGGCTGTGGAGGCTGACAAGGAGCAGGCTGA

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Clone variation with respect to NM_019594.3
1014 t=>c;1509 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_019594 unedited
 ACTCACTATAGGGGCGGCCGGAATCGGTACGAGGCTGCGGCCGGCGGGACGGAGCG
 GCCGGGGCCTGGGGCTGCCTGCCGGGCGGCCGGCGGGCAGCCAGGGAGGCAGCGTC
 CATGGAGCAAAGGAATGCCAGGATCCTGCACAGGCAGACGCGGGCCAGCCTCAGCACCG
 ACAGCCGACGCGCAGATAGCAGAGCCATCCTTGGGGTTGAACCATGATTCCGGTGACAGA
 GCTCCGTACTTTGCGGACACGCAGCCAGCATAACCGATCCTGAAGCCGTGGTGGATGT
 GTTCACAGACTACATCTCTATCGTCATGCTGATGATTGCCGTCTTCGGGGGACGCTGCA
 GGTCAACCAAGACAAGATGATCTGCCTGCCTTGTAAAGTGGTCAACCAAGACTCCTGCAA
 TGATTCGTTCCGGGGCTGGGCAGCCCTGGCCCGAGCCACCTACCCAACTCCACCAT
 TCTGCCGACCCTGACACGGGCCCCACAGGCATCAAGTATGACCTGGACCGGCACCAGTA
 CAACTACGTGGACGCTGTGTGCTATGAGAACCGACTGCACTGGTTTGCCAAGTACTTCCC
 CTACCTGGTGCTTCTGCACACGCTCATCTTCTGGCCTGCAGCAACTTCTGGTTCAAATT
 CCCGCGCACCAGCTCGAAGCTGGAGCACTTTGTGTCTATCCTGCTGAAGTCTTCGACTC
 GCCCTGGGACCACGAGGCCCTGTCGGAGACAGTGGTGGNAGAGAGCGACCCCAAGCCGGC
 CTTCAGCAGATGAATGGGTCCATGGGACAAAGTATCGACCGGTCAGTGAGACGTGGAGG
 CACCGTNGCCATGCTGCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_019594 unedited
 TCTATGGACGCGGCCGCTTTCTANAGTCGAGTTTTTTTTTTTTTTTTTAAATACCCAAAC
 CATCCATTTTCAAAGCTTTTTTTTTTAAAAAATGTTTTTTGATTAATAAAAAAAAAAACA
 AAAACTAAAAGTCCACAATACTGAAGAGGCAAGCTCCAGGCCCTGGCCTTCCAGCTGG
 AGGCCTGCTCTCCCGTGGACCGCACCGCAGAGCCAGCCGGCACTGCTGGGTGACCGTC
 CCATGGCTGGTTGCCCCGGACCACTCTGCTGAAGTCCAGGTGGGTGTTAAATGCCCGGC
 GGCATCGCTAAATAAGGACAAGGGGAAAAGGCAGCCACCTTTCCTGAACACCTTCCAT
 CTGGGCTGAACCTTTCTGGGAATGTATAAGTTATCTGGATGAAGGAGGCGGGAGATGGAG
 AAAATAAATAACCAAGAACTAAAGTGAAGGTCCCAGGACCTCTGGTGGCAGCTCAGCCCC
 TGGGGCAGAGCTGGCCTCCAGGGAGGAGACCCTGATTATCCAAATACTGCGCTCTTGAGA
 CTTGCTCTCCTCCACAAGCACTTGCCCTGGGGACGTGAGTCTCAGAGGGAGAAAAGGGG
 CCAGCCCCACAGATACTGTCTCTCGCTCTGGCCTGACTCACAAGCGGCCCCAGGCTCCT
 CGCCCGCAGGACCTGTCTGTGCTGTCGGGAGTTCTGGGAGAACCTAGGCTGCCCTC
 CGGCCCTGAGGACCTGGCAGCGGTCTGCTGCTTGTGCTGGGCCCGCCTCGCTCAAC
 CCTGCTCCTTTGTAGCCCTCCAAGCCGGTCTCTCACCTNNGGTGGAAGGTGTGAACAG
 TCCCTCTACACCACAAACCGNTGNGCTTGACCAGGGGNACTCCCCAGCTTCAAGGCAGAA
 CTCACCCGNTGCCCCCACTTAAGTGGTCAGGTGCACACC

Restriction Sites:

NotI-NotI

ACCN:

NM_019594

Insert Size:

4000 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_019594.2](#), [NP_062540.2](#)

RefSeq Size: 4296 bp

RefSeq ORF: 2433 bp

Locus ID: 56262

UniProt ID: [Q8IWT6](#)

Cytogenetics: 9q34.11

Protein Families: Transmembrane

Gene Summary: This gene encodes a protein belonging to the leucine-rich repeat family of proteins, which are involved in diverse biological processes, including cell adhesion, cellular trafficking, and hormone-receptor interactions. This family member is a putative four-pass transmembrane protein that plays a role in B cell development. Defects in this gene cause autosomal dominant non-Bruton type agammaglobulinemia, an immunodeficiency disease resulting from defects in B cell maturation. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All variants (1-3) encode the same protein.