

Product datasheet for **SC120434**

LRSAM1 (NM_138361) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRSAM1 (NM_138361) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRSAM1
Synonyms:	CMT2P; RIFLE; TAL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC120434 sequence for NM_138361 edited (data generated by NextGen Sequencing)

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ATGCCGCTCTTCTCCGGAAAGCGGAAACCCAGTGAGGAGGCTCGGAAACGCCTGGAGTAC
CAGATGTGTTTGGCAAAAGAAGCTGGGGCAGATGACATTCTCGACATCTCTAAATGTGAG
CTCTCAGAGATTCATTTGGAGCTTTTGC AACATGCAAAGTTCTGCAGAAGAAGGTGCTG
ATCGTCCACACGAATCACCTCACTTCCCTGCTTCCCAAATCCTGCAGCCTCCTGAGTCTG
GCAACCATTAAGGTTCTAGATCTCCACGATAATCAGCTGACAGCCCTTCTGACGATCTG
GGGCAGCTGACTGCCCTCCAGGTCTTAAACGTGGAAGGAATCAACTGATGCAGTCCCA
CGTTCCATTGGGAACCTGACCCAGCTCCAGACTCTCAATGTTAAAGACAACAAGCTGAAG
GAGCTTCCAGACACCGTGGGGGAGCTTCAAGCCTGCGTACCCTCAACATCAGTGAAAC
GAGATCCAGAGATTGCCGAGATGCTGGCTCACGTTCAACCCCTGGAGATGCTGAGCCTT
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TTGCAGTTCCTCTCAAAGAGTCAGGGCTGGAATACTACCCCTTCTCAGTACTTGCTG
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CCATCCGCTCCCCCTGCAGAGCTGGAGGTGCAGGCCTCAGAGTGTGTCTGTGCTGGAA
CGGGAGGCCAGATGATCTTCTCAACTGTGGCCACGTCTGCTGCTGCCAGCAGTGTCTGC
CAGCCACTGCGCACCTGCCCGCTGTGCCCCAGGACATCGCCAGCGCCTCCGCATCTAC
CACAGCAGCTGA
    
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Clone variation with respect to NM_138361.4
 249 c=>t;952 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_138361 unedited
 AATAACACCCGCCGTTGAAGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA
 GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCG
 CGAATTCGGCACGAGGCTGAGGCTGACGGCTGGCAAGCAGGGCACCGCGGTGCGCTGAAG
 CTAGAGATTCCGAACGGGGTTCGGGTAGTTCGCTCCGGAGAAGTCTGAGAAGGGTGGCT
 CCGGTGATCCCAGCCCTAGCTGTTTCCCATATTCCTTTATCCACCTGCCTTTGAAGGAGA
 CCAGACTCCGGCTCCGCCCGGCCGTGCCGGTGGTCTGCGGCCCGAGTCCGTGACCAA
 GCCTCCGAGTGATCGGCCTGCCCTCGGGTGACCCGCGGGTCCCAACGTGGGGGATCCC
 TCCATCCGCAAAGCCAGGGTCTAAAGATCGCTCTGGGAAAAGGAAGGATGCCGCTCTT
 CTTCCGGAAGCGGAAACCCAGTGAGGAGGCTCGGAAACGCCTGGAGTACCAGATGTGTTT
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 TCCATTTGGAGCTTTTGCAACATGCAAAGTTCTGCAGAAGACAGGTGCTGATCGTCCACA
 CGAATCACCTCACTTCCCTGCTTCCAAATCCTGCAGCCTCTGAGTCTGGCAACCATTA
 AGGTTCTAGATCTCCACGATAATCAGCTGACAGCCCTTCTGACGATCTGGNGCAGCTGA
 CTGCCCTCCAGGCTTAAACAGTGCACAGGAATCAACTGATGCAGCTCCCACGTTCCATT
 GNGAACCTGACCCAGCTCCAGACTCTCATGTTAAAGACAAGTCTGAGGAGCTTACAGAC
 ACTTGTGGGGAGCTTCGAGCCTCGCTACCTCAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_138361 unedited
 CGTCACACTTATGTACCTTTTGGCGCTCTTANGATTTCGGTTTTTTTTTTTTTTTTTTTCG
 CACTGAAGACGGTTTATTGACACTCCTGCTTCGGATCGAGCTACATGGGGTAAGGAGGGA
 CAGTTGTGGAGAGCAGGAGGGCCCGGGTTCGGGAGCAGCAGAGAGGGAGACCCAGG
 GTTGCTGGTGCCACTGTGAGCACAGGCCTGCACACACGCCTTCCAGGAAGGCCTCCCC
 TACCCAGCCAGGCCCTCCTGCTCCCTCCACATGCAGGGTGGGACGGGCTGTGCATG
 GCCCCAGATGAGGACCAAGCTCCTGCAGGGCGGTGGCCTTCAAGTCAAGACAGCTGGG
 AGGCAGCAGATCCGTGATTAGGCTGGGACGCTGGCTCCAGGCTCGGGTGGTGGTGCAGC
 GGCCTCTCCAGCCCCAGCCCCAGGACCTTACAGACTGGTGGTGTGATGGATGAGGAGCA
 CCTCTGCCTGGCCAGACATGCTTGGAGCTTATGATGGGGCTCCTGGGCAGTGGGGAAG
 GGGCCCAGGGCAGGGGGAGCCCTACACAGTCTGGCTGGCACAAGGCTGAGCAGGAGCC
 CGGGCTCACAGTGGCCGATGCAGGGCTAGGACCAGGCCAGGTGGGCGGCAGCACTCA
 NCTGCTGTGGTANATGCGGAGGCCTGGGCGATGTCTGCGGACAGCGGCATGTGCG
 CAGTGGCTGGCAGCACTGCTGGCAGCAGACGTGGCCACAGTTTGAGAAGATCATCTG
 GGCTCCCGTTCCAGCACACGACACTCTGAGGCTGCACCTNCAGCTCTGCAGGGGG
 AGCCGGATGGCCTCACAGACTCAGGAGCTCCTGGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_138361

Insert Size:

3200 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_138361.3](#), [NP_612370.3](#)

RefSeq Size: 3186 bp

RefSeq ORF: 2172 bp

Locus ID: 90678

UniProt ID: [Q6UWE0](#)

Cytogenetics: 9q33.3-q34.11

Domains: LRR, SAM, LRR_TYP, LRR_BAC, LRR_PS

Protein Families: Druggable Genome

Gene Summary: This gene encodes a ring finger protein involved in a variety of functions, including regulation of signaling pathways and cell adhesion, mediation of self-ubiquitylation, and involvement in cargo sorting during receptor endocytosis. Mutations in this gene have been associated with Charcot-Marie-Tooth disease. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jan 2012]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Variants 1, 2 and 3 encode the same isoform (1).