

Product datasheet for MC201259

Sharpin (NM_025340) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sharpin (NM_025340) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sharpin
Synonyms: 0610041B22Rik; AW121341; cpdm; RBCKL1; SIPL1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC016203 sequence for NM_025340
 GTGCATTGGTGCCTGGTTCCTCCGGAACTGGTATTGTCTTGTGTAGGGCAGCAGCTGTGCTTCGTTCC
 AACCTTTAAGAAAAGTTTCATCCTTGCCTTCTTTTTGTGACCGGTGACCGGTCTGTGACACTGTCTCGGGT
 CCTGCTGAAAGGTGACTAGCTTGGCCGGACCGTGCCTGGAGATCTGGGACCATTCTATCGCTTAGCGAG
 CCATCAGGCTCTGGTAGTGCGCAGCATCGGGTCTTCTTGTCTCCAAGCTCTGGGGCATCCGGAACCGA
 GGCTCACAGTCCGAGTTTCTGGCCGGCGGAAGTACTCGACAGTTCTATCACGGAAGCACTCTCGGAGA
 GTCAGGACTCCGCCGGATCAGAAATGTCGCGCCGCCCGCGGTGCGGCAGTGGTGCAGACCCTGCCTC
 ACCTGTGGTGCTCCTGGCAGTGCACGCGCGGTGAGGCCCTGGGCGCTGGACAGGATGCCGAAGCGCAG
 CCGCGGAAGTGAATTGATAGCGGACCCTGAGCGCCTGGACGCTTCCGGCTAGGACTGTTAGGCACCG
 AGCCTGGGCGGTGAGTTAGAATGGCCCTTGGAGGCTATTTGTTACACCGTCCGTGGGCTAACCAACA
 CGAGCTGCAGCCTCCCCCTGGAGGTCCTGGAACCTTCAGCGTGCATTCTCGACCCGAGGAAGCACAG
 CAGTGGGCAGCACTGGTGCAGATGCCACCGCAGAAAGGACAAAATGGCAGTGGCAGCCCAGCCCCAGCCC
 CAGCCCCAGCAATGTGCCCCATTCTCCACCATGTTCTTCTATGGCTCAAATACCTAAAGCAACCCAACC
 TGAGGTGGATCTTCTCAAAGTTCTGGAACCTTCAAAAAAGAAGAGCTGGCTACACGCCTGTCCCAGGCC
 ATTGCAGGTGGGGATGAGAAAGCAGCGGCCAAGTGGCAGCAGTCTGGCGCAGCATCATGTGGCTCTCA
 ATGTCCAGCTCATGGAGGCTGGTCCCACCAGTCCCATAAGGCTACAAGTACAGTTGAAGACGCCAC
 ATCGGTTTTGCTCTTCATCGTCTGCCATGTCTCACTGAAGATCCACCACATTGCTCCATTGCAGCC
 CTTCAGGATCAGGTGTTCTCAGAGTTCGGTTTTCCACCAGCTGTGACGCGCTGGGTGATTGGGCGGTGCC
 TGTGTATGCCTGAACGAAGCCTTGGTTCCTATGGGGTCTCTCAAGATGGAGACCCTGCTTTTCTTACTT
 GCTCTCGGCCCCAGAGAAGTTTCAGGACAAAGCCTTCAAACTCCAAGATGGACCGGAAATTAGGCTTG
 TTTCTCAGTCACTGGGGCTGCCTCATGACCTCCAGCCGTCCAGTTCAGTCTCCCAAGTCCCTCTCAGC
 CTGGCTGGTCTTGCCCTTCTGCACTTTTCATCAATGCCTCAAACCGCCCTGGCTGTGAGATGTGTAGCAC
 CCAAAGGCCCTGTGCTTGGGATCCTCTTGTGCTGAGCTTCCACCTAGAAGCCACCAAGGTTACAGAGAAT
 ATGGCCCTCCTGTACAGGCCCAACCACCACCTTGAACCTTGCAGGGGACTGATGCTTGTGGGGACA
 GAGATGCCAGTGTAAACAACAGGGGCTACATAAAGCTAGTAATTAAGACACATACGAGCCAAAAAAA AAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_025340
Insert Size:	1143 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:	<ol style="list-style-type: none">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:	BC016203 , AAH16203
RefSeq Size:	1688 bp
RefSeq ORF:	1143 bp
Locus ID:	106025
UniProt ID:	Q91WA6
Cytogenetics:	15 35.75 cM
Gene Summary:	Component of the LUBAC complex which conjugates linear polyubiquitin chains in a head-to-tail manner to substrates and plays a key role in NF-kappa-B activation and regulation of inflammation. LUBAC conjugates linear polyubiquitin to IKBKG and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways. Linear ubiquitination mediated by the LUBAC complex interferes with TNF-induced cell death and thereby prevents inflammation. LUBAC is recruited to the TNF-R1 signaling complex (TNF-RSC) following polyubiquitination of TNF-RSC components by BIRC2 and/or BIRC3 and to conjugate linear polyubiquitin to IKBKG and possibly other components contributing to the stability of the complex. Together with OTULIN, the LUBAC complex regulates the canonical Wnt signaling during angiogenesis.[UniProtKB/Swiss-Prot Function]