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Product datasheet for MC206426

Lrrc8e (BC080783) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc8e (BC080783) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrrc8e
Synonyms:	1810049O03Rik; C87354
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC080783
CTGATAGCGTCTGTAGTGAGGCGGGGCCGAACAATCCCGGGGGCGGGGCGGGGCGGCTCCTGGCCCAGCC
CGCCCTGACTCACCCTCTCTGGCCCGCCCGGGAACTCTGCGGGAGTCCGGGTCGATCTACTCCCAGGCAT
CTAGAAGTTGGGCCCCGGAGTTCCATCCCTGAGCAGTGAGCAGGATGATCCCAGTGGCGGAGTTCAAGCA
GTTCACAGAGCAGCAGCCTGCATTCAAGGTGCTCAAACCCTGGTGGGATGTTCTGGCTGAGTACCTCACC
ATGGCTATGCTCATGATCGGGGTATTCGGGTGCACCCTCCAGGTGACACAGGACAAGATCATCTGCTTGC
CTAGCCACGAATCTCGTGAGAACATATCGGGGGCTCCATGCCAGCAGCTTTTGCCTCAAGGAATCTCTGA
GCAGATGGGGGGTCTCCGAGAGCTCAGTGGCCTCAAAAACAACCTAGACCTCCAGCAGTATAGCTTTATC
AACCAGCTCTGCTATGAGACTGCCCTCCACTGGTATGCCAAATACTTCCCCTACTTGGTGGTTATCCATA
CTCTCATCTTTATGGTCTGTACCAGCTTTTGGTTCAAATTCCCTGGTACCAGCTCCAAAATAGAACACTT
CATCTCCATCCTGGGCAAGTGCTTTGATTCTCCATGGACCACTCGGGCCTTGTCCGAGGTGTCTGGAGAA
AATCACAAGGGCCCAGCTTCTGGACGGGCCATGGTGACCACGGTAACCACCACAGGGGCAGGGTCGGGGA
AGGTGGGTGAAGGTGAGAAGGAGAAAGTGCTCATTGAGCCCGAAAAGGTGGTGTCTGAGCCTCCAGTTGT
TACTCTGCTGGATAAGAAGGAGGGCGAGCAAGCGAAGGCCCTATTCGAGAAGGTCAAAAAGTTCCGAGTG
CACGTGGAAGAGGGTGACATCCTCTATTCCATGTACATCCGGCAGACAGTGCTCAAAGTGTGTAAGTTTT
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TTCTGCTATATTTCCTTTGTGTGTGTCTATGGCATCACCTGCCTGTATACACTCTACTGGCTCTTCCATA
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GAATGACTTTGCCTTCATGCTCCACCTCATTGACCAGTACGACTCCCTCTATTCCAAACGCTTTGCAGTC
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TGACACCGTCTTTGAGCTCAGCGAGGTGGAGGCACTCAGGCTGGAGGCCATCTGTGACATCTCCTTTCCC
CCTGGGCTCTCCCAGCTTGTGAACCTTCAGGAGCTCAGCTTGCTTCACTCACCAGCCAGGCTGCCCTTTT
CATCACAGATCTTCCTGCGAGATCGCCTGAAGGTGATCTGTGTTAAATTCGAGGAGCTCCGAGAGGTACC
CCTCTGGGTGTTTGGGCTTCGAGGCTTAGAAGAACTGCACCTGGAAGGACTCTTTCCCCCAGAAATGGCT
CGGGGTGCCACCCTGGAGAGCCTCCGGGAGCTTAAACAGCTCAAGGTACTGTCTCTACGTAGCAATGCAG
GGAAGGTGCCAGCCAGTGTGACTGATGTGGCCGGGCACCTTCAGCGACTCAGCCTGCACAATGATGGGGC
TCGTTTGCTTGCCCTAAACAGCCTCAAGAAGCTGGCAGTGTTACGGGAGCTGGAGCTGGTGGCCTGTGGG
CTGGAACGTATCCCCCATGCAATCTTCAGCCTGGGGGCTCTGCAGGAACTTGACCTTAAGGACAACCACC
TTCGGTCTATCGAGGAGATCCTCAGCTTCCAGCACTGTCGGAAGCTGGTCACTCTCAGGCTGTGGCACAA
CCAGATTGCCTATGTGCCCGAGCATGTGAGAAAGCTCCGGAGCCTGGAGCAGCTCTACCTCAGTCACAAC
AAGCTGGAGACTCTGCCCACCCAGCTGGGCCAGTGCTTTGGCCTCCGCCTGCTGGATTTATCCCACAACG
GGCTTCGTTCCCTGCCACCTGAGTTGGGCCTTCTCCAGAGCCTCCAGCATCTAGCCCTCTCCTACAACGC
ACTCGAGAGTCTGCCCGATGAATTGTTCTTCTGCCACAAGCTGCGGACGTTACTCTTGGGCTACGACCAC
CTAACTCAGCTCTCACCTGACGTGGCTGCCCTCCAGGCCCTCAGCCGTCTGGGGCTCAAGGGTAACAGGT
TGGAGACACTGCCAGAAGAACTTGGTGACTGCAAGGGGCTGAAGAAGTCGGGGCTGCTGGCGGAGGACAC
CCTTTATGAGGGACTGCCTGCAGAAGTTCGGGAAAAGATGGAGGAGGAATGAAGCCTGGTGGGGGAAGGG
GCAGGCTGACACAGAGGCCTTTACATGTTTCTGCCCAACATTGTATTCCAAGGGAGAGAGGTCCAGCAGG
AGTGGAAGGAAGGCAGGACATGTCGGTTTTGTGCAGCTCAGACAAGATCCTGGGACTGGTTTTTCTGGAG
GAGAAACAGGAGGCGGTAGATTTGAGGTGTAACCCCTTAGGGAAGGATTAACCAGTCTTAGGTTCTTCAA
CCAAAACCACACCTGTGTCTTTGGCTGGCTGGCTTGCCCTTCCTCTGAACATTCTGGCTTAATTAGTTTC
CTATATGGGAGTGGGATTTCCAACCTTTCCCAACAAGGATCAGCATATACTTAGGGTTCTCTCCTAAGGA
GAGGATACAGGGTCCAGTTCCAAAGTTCCATATCCCAACTTTCATGCAAGTCCTGATTTTATAAGCCCTT
TGTGACAGGGATGGGTACTTAGAACAATGGCTCTCACATTTAGCTATGTAATAAAATCAGCTGAGAGGCC
CGGAAGAAAACAAAACCCTTACATGCTTCCCACCCCACCCCTGAAATTATACTGACTCAGAATTTGGATG
GGTAGCTGAGCATGGTGGCACACGCCTTTAATTCCAGCACTCAGGAGGCAGAGGCAGGTGGATTTCTGAG
TTCGAGGCCAGCCTGGTCTACAAAGTGAGTTCCAGGACAGCCAGGGCTACACAGAGAAACCCTGTCAAAA
AAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN:	BC080783
Insert Size:	2388 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:	BC080783, AAH80783
RefSeq Size:	3308 bp
RefSeq ORF:	2388 bp
Locus ID:	72267
Cytogenetics:	8 A1.1
Gene Summary:	Non-essential component of the volume-regulated anion channel (VRAC, also named VSOAC channel), an anion channel required to maintain a constant cell volume in response to extracellular or intracellular osmotic changes. The VRAC channel conducts iodide better than chloride and can also conduct organic osmolytes like taurine. Mediates efflux of amino acids, such as aspartate, in response to osmotic stress. Channel activity requires LRRC8A plus at least one other family member (LRRC8B, LRRC8C, LRRC8D or LRRC8E); channel characteristics depend on the precise subunit composition.[UniProtKB/Swiss-Prot Function]