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Product datasheet for MC222755

Clca2 (NM_178697) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clca2 (NM_178697) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clca2
Synonyms:	4732440A06; AI586120; Clc; Clca5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC222755 representing NM_178697
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCCACAGGGACAGCACAGGACCTGTCATCGGGCTGAAACTTGTGACCCTTCTGTTCACCCTAAGTC
CAGAACTTCTGTTCCTGGGAGCTGGATTGAAGCTGAAAGAGAATGGCTATGATGGATTGCTTGTTGCCAT
CAATCCCCGGGTACCCGAGGATCTGAAGCTGATTACAAACATTAAGGAAATGATAACCGAAGCTTCCTTT
TACCTGTTCAATGCGACCAAGAGGAGGGTGTTTTTCAGAAATGTACAGATTTTAGTACCTGCCACTTGGA
CGGATCATAATTACAGTAGAGTAAGACAAGAATCCTATGACAAGGCAAATGTCATAGTGGCTGAGCAGAG
TGAGGAACACGGAGATGATCCCTACACCCTACAGCACAGAGGGTGTGGGCAAGAGGGGAGATACATCCAC
TTCACCCCCAGCTTCCTACTCAACGATGAGTTAGCCGCAGGCTATGGTGCGCGAGGCAGAGTGTTTGTCC
ACGAGTGGGCCCATCTCCGCTGGGGTGTGTTCGATGAATATAACAACGACAAACCGTTCTACGTGAATGG
ACGGAATGAGATTCAAGTCACCAGGTGTTCATCTGACATTACAGGCGTTTTTGTGTGTGAAAAGGGCCTC
TGCCCCCATGAAGACTGCATTATTAGCAAGATTTTTAGGGAAGGATGCACATTCCTCTACAACAGCACCC
AGAATGCAACTGGATCAATAATGTTCATGCCAAGTTTACCTTCTGTGGTTGAATTCTGTAACGAAAGTAC
ACACAACCAAGAAGCTCCAAACCTCCAGAACCAAGTGTGCAGCCTCAGAAGCACTTGGGACGTGATCACA
GCCTCCTCCGACCTGAACCATAGCCTCCCCGTGCATGGGGTTGGACTTCCAGCCCCTCCCACGTTCTCCC
TCTTGCAGGCTGGTGACCGAGTGGTCTGCTTAGTGATTGATGTGTCCAGGAAGATGGCAGAGGGAGACAG
ACTGCTCCGACTTCAACAAGCAGCCGAACTGTACTTGATGCAGGTTGTCGAAGCTCACACTTTCGTGGGC
ATTGTCACTTTTGATAGCAAAGGAGAAATCCGAGCCTCGCTGCAGCAAATTTACAGTGACGATGACCGGA
AGCTGCTGGTTTCATACCTGCCGACCGCCGTGTCCACTGACGCAGAAACGAACATCTGTGCAGGGGTTAA
GAAAGGCTTTGAGGTGGTTGAGGAGCGGAATGGAAGAGCTGACGGCTCTGTCCTGATATTAGTGACCAGT
GGAGCAGATGAACACATTGCCAACTGCCTGCTCACCTCGATGAACAGTGGATCCACCATTCACTCCATGG
CCCTGGGTTCCTCTGCAGCCAGAAAAGTGGGGGAATTATCACGTCTTACAGGAGGTCTAAAGTTCTTCAT
TCCAGATAAATTTACTTCTAATGGAATGACTGAAGCTTTCGTTCGAATCTCTTCTGGAACAGGAGACATT
TTCCAGCAAAGCTTACAGGTTGAGAGCGTGTGCGAAACTGTGCAACCCCAGCACCAGCTGGCGGATACTA
TGACTGTGGATAGCGCCGTGGGCAATGACACACTTTTTCTAGTCACGTGGCAGACTGGTGGCCCCCCTGA
GATTGCATTATTGGATCCTAGCGGAAGAAAATACAACACTGGTGACTTTATCATCAACCTGGCCTTTCGG
ACAGCCAGCCTTAAGATTCCAGGGACAGCTAAGCATGGGCACTGGACTTACACGCTGAACAACACCCACC
ATTCTCCCCAAGCTCTGAAAGTGACAGTGGCCTCTCGTGCCTCCAGCCTGGCCATGTCCCCAGCCACTCT
GGAAGCCTTTGTGGAAAGAGACAGCACCTATTTTCCTCAGCCAGTGATCATTTATGCGAATGTGAGGAAA
GGTCTGCATCCCATTCTCAATGCCACCGTGGTGGCGACAGTGGAACCAGAGGCTGGAGATCCCGTTGTAC
TGCAACTTTTGGATGGCGGAGCAGGTGCAGATGTTATAAGAAATGATGGGATTTACTCCAGGTATTTTTC
CTCCTTTGCTGTAAGTGGTAGCTATAGCCTGACAGTGCATGTCCGTCACTCTCCCAGCACAAGCACACTA
GCCCTCCCTGTCCCAGGAAACCATGCTATGTATGTACCAGGTTACATAACAAACGATAATATTCAAATGA
ATGCTCCCAAAAACTTGGGCCACAGACCTGTGAAGGAGAGGTGGGGCTTCAGTCGAGTGAGCTCGGGAGG
CTCCTTCTCCGTGCTGGGAGTCCCAGACGGCCCCCACCCTGACATGTTTCCACCGTGCAAAATTACTGAC
CTGGAAGCCATGAAAGTGGAAGACGACGTCGTCCTCTCTTGGACGGCACCTGGGGAAGACTTCGATCAGG
GGCAAACTACAAGCTATGAAATAAGAATGAGCAGAAGCCTATGGAACATTCGGGATGACTTTGACAATGC
CATCTTGGTGAATTCGTCAGAGCTAGTTCCTCAGCATGCTGGCACCAGGGAGACATTTACATTCTCACCC
AAGCTTGTCACCCATGAACTTGATCATGAACTTGCTGAAGATGCACAAGAACCCTACATAGTGTATGTGG
CCCTGAGAGCCATGGATAGAAGCTCCCTCAGGTCAGCTGTGTCAAACATTGCCCTGGTATCAATGTCTCT
TCCTCCAAACTCTTCTCCTGTAGTGAGCAGAGATGATCTGATCCTGAAAGGAGTTTTAACAACAGTAGGT
TTGATAGCAATCCTTTGCCTTATTATGGTTGTAGCACACTGTATTTTTAACAGGAAAAAGAGACCATCAA
GAAAAGAGAATGAGACAAAATTTCTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_178697
Insert Size:	2829 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_178697.4, NP_848812.1
RefSeq Size:	3921 bp
RefSeq ORF:	2829 bp
Locus ID:	229933
UniProt ID:	Q8BG22
Cytogenetics:	3 H2
Gene Summary:	This gene encodes a member of the calcium-activated chloride channel regulator (CLCR) family of proteins. Members of this family regulate the transport of chloride across the plasma membrane. Expression of this gene is upregulated by the tumor suppressor protein p53 in response to DNA damage. Mice lacking a functional copy of this gene exhibit increased liver weight and hepatocyte hypertrophy. [provided by RefSeq, Sep 2016]