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Product datasheet for MC211406

Calr3 (NM_028500) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calr3 (NM_028500) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Calr3
Synonyms:	1700031L01Rik; 6330586I20Rik; Crt2; cspn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC211406 representing NM_028500
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTCTCGGCTCGTGCATTGCTCTGGGCCATCTGTGTGCTGCGCGTGGCACTAGCCACTGTGTACTTCC
AGGAGGAGTTTCTAGACGGAGAGCGCTGGAGGAACCGCTGGGTGCAGTCCACCAATGACTCCCAGTTTGG
GCACTTCAGAGTCTCATCGGGGAAGTTCTATGGGCATAAAGAGAAAGACAAAGGCCTGCAGACTACCCAA
AACAGCCGATTCTATGCCATCTCTGCGAGCTTCAAGCCATTCAGCAACAAAGGGAAGACCCTGGTAATCC
AGTACACGGTGAAGCATGAGCAGAAGATGGACTGTGGTGGTGGTTACATCAAGGTGTTTCCGTCTGACCT
GGACCAGAAGAAGATGAACGGAAAATCTCAGTACTACATCATGTTTGGACCTGATATTTGTGGATTTGAT
ATCAAGAAAGTTCATGTTATCTTATATTTCAAGAATCAATATCATGAAAACAAGAAGCCAATCAGATGCA
AGGTGGATGGCTTCACGCATCTCTACACCCTGATCTTAAGACCAGATCTTTCTTACGAGGTAAAAGTCGA
TGGCCAGTCCATTGAGTCTGGCAGCATTGAGTATGACTGGAACCTGACATCGCTGAGGAAAACGGAAAAG
ACATCACTGGACTCTAGGGACTGGGATCAGGTGGAAGGCAGTAAAGTCCAGGATTGGGAAAAGCACTTTC
TGGATGCGGGTGCCAGCAAGCCGAGTGACTGGAACAGTGAGCTGGATGGGGACTGGCTGCAGAAGCCACC
ATATGAGGATGGCCTGAAAGCTGAGGGCATCGACAAGGACGTGTGGCTCCACCAGAAGATGAGACCTGCT
GGCTACCTGACGCAGTATGACCTCTCAGAGTTTGAGAACATTGGCGCCATTGGTCTAGAGCTGTGGCAGG
TGAGATCTGGAACCATCTTTGATAACTTCCTGATCACAGATGATGAAGAATATGCAGAGAAGTTTGGCAA
GGCCACCTGGGGAGAAACTAAGGGTCCAGAAAAGGAGATGGATGCCATACAGGCCAAGGAAGAAGTGAAA
AAGGCCCGTGAAGAAGATGAGGAGGATCTGCTGATGGGGAAGTTTCACAGGCACAACCATTTCAGCAGAT
TCCACAGGCAGGGCGAACTATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_028500
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:	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_028500.3, NP_082776.2
RefSeq Size:	1670 bp
RefSeq ORF:	1143 bp
Locus ID:	73316
UniProt ID:	Q9D9Q6
Cytogenetics:	8 B3.3
Gene Summary:	CALR3 capacity for calcium-binding may be absent or much lower than that of CALR (By similarity). During spermatogenesis, may act as a lectin-independent chaperone for specific client proteins such as ADAM3. Required for sperm fertility.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).

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