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Product datasheet for MC223773

Cd163 (NM_001170395) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd163 (NM_001170395) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd163
Synonyms:	CD163v2; CD163v3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001170395, the custom clone sequence may differ by one or more nucleotides

ATGGGTGGACACAGAATGGTTCTTCTTGGAGGTGCTGGATCTCCTGGTTGTAAAAGGTTTGTCCATCTAG
GTTTCTTTGTTGTGGCTGTGAGCTCACTTCTCAGTGCCTCTGCTGTCACTAACGCTCCTGGAGAAATGAA
GAAGGAACTGAGACTGGCGGGTGGTGAAAACAACTGTAGTGGGAGAGTGGAACTTAAGATCCATGACAAG
TGGGGCACAGTGTGCAGTAACGGCTGGAGCATGAATGAAGTGTCCGTGGTTTGCCAGCAGCTGGGATGCC
CAACTTCTATTAAAGCCCTTGGATGGGCTAACTCCAGCGCCGGCTCTGGATATATCTGGATGGACAAAGT
TTCTTGTACAGGGAATGAGTCAGCTCTTTGGGACTGCAAACATGATGGGTGGGGAAAGCATAACTGTACC
CATGAAAAAGATGCTGGAGTGACCTGCTCAGATGGATCTAATTTGGAGATGAGACTGGTGAACAGTGCGG
GCCACCGATGCTTAGGAAGAGTAGAAATAAAGTTCCAGGGAAAGTGGGGGACGGTGTGTGACGACAACTT
CAGCAAAGATCACGCTTCTGTGATTTGTAAACAGCTTGGATGTGGAAGTGCCATTAGTTTCTCTGGCTCA
GCTAAATTGGGAGCTGGTTCTGGACCAATCTGGCTCGATGACCTGGCATGCAATGGAAATGAGTCAGCTC
TCTGGGACTGCAAACACCGGGGATGGGGCAAGCATAACTGTGACCATGCTGAGGATGTCGGTGTGATTTG
CTTAGAGGGAGCAGATCTGAGCCTGAGACTAGTGGATGGAGTGTCCAGATGTTCAGGAAGATTGGAAGTG
AGATTCCAAGGAGAATGGGGGACCGTGTGTGATGATAACTGGGATCTCCGGGATGCTTCTGTGGTGTGCA
AGCAACTGGGATGTCCAACTGCCATCAGTGCCATTGGTCGAGTTAATGCCAGTGAGGGATCTGGACAGAT
TTGGCTTGACAACATTTCATGCGAAGGACATGAGGCAACTCTTTGGGAGTGTAAACACCAAGAGTGGGGA
AAGCATTACTGTCATCATAGAGAAGACGCTGGCGTGACATGTTCTGATGGAGCAGATCTGGAACTTAGAC
TTGTAGGTGGAGGCAGTCGCTGTGCTGGCATTGTGGAGGTGGAGATTCAGAAGCTGACTGGGAAGATGTG
TAGCCGAGGCTGGACACTGGCAGATGCGGATGTGGTTTGCAGACAGCTTGGATGTGGATCTGCGCTTCAA
ACCCAGGCTAAGATCTACTCTAAAACTGGGGCAACAAATACGTGGCTCTTTCCTGGATCTTGTAATGGAA
ATGAAACTACTTTTTGGCAATGCAAAAACTGGCAGTGGGGCGGCCTTTCCTGTGATAATTTCGAAGAAGC
CAAAGTTACCTGCTCAGGCCACAGGGAACCCAGACTGGTTGGAGGAGAAATCCCATGCTCTGGTCGTGTG
GAAGTGAAACACGGAGACGTGTGGGGCTCCGTCTGTGATTTTGACTTGTCTCTGGAAGCTGCCAGTGTGG
TGTGCAGGGAATTACAATGTGGAACAGTCGTCTCTATCCTAGGGGGAGCACATTTTGGAGAAGGAAGTGG

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ACAGATCTGGGGTGAAGAATTCCAGTGTAGTGGGGATGAGTCCCATCTTTCACTATGCTCAGTGGCGCCC
CCGCTAGACAGAACTTGTACCCACAGCAGGGATGTCAGCGTAGTCTGCTCACGATACATAGATATTCGTC
TGGCAGGCGGCGAGTCCTCCTGTGAGGGAAGAGTGGAGCTCAAGACACTCGGAGCCTGGGGTCCCCTCTG
CAGTTCTCATTGGGACATGGAAGATGCTCATGTCTTATGTCAGCAGCTGAAGTGTGGGGTTGCCCAATCT
ATTCCAGAAGGAGCACATTTTGGGAAAGGAGCTGGTCAGGTCTGGAGTCACATGTTCCACTGCACTGGAA
CTGAGGAACATATAGGAGATTGCCTCATGACTGCTCTGGGTGCGCCGACGTGTTCCGAAGGACAGGTGGC
CTCTGTCATCTGCTCAGGAAACCAATCCCAGACACTATTGCCATGTAGTTCATTGTCTCCAGTCCAAACA
ACAAGCTCTACAATTCCAAAGGAGAGTGAAGTTCCCTGCATAGCAAGTGGCCAGCTTCGCTTGGTAGGTG
GAGGTGGTCGCTGCGCTGGAAGAGTGGAGGTCTACCACGAGGGCTCTTGGGGCACCGTCTGTGATGACAA
TTGGGATATGACTGATGCCAATGTGGTGTGCAAGCAGCTGGACTGTGGCGTGGCAATTAACGCCACTGGC
TCTGCTTACTTCGGGGAAGGAGCAGGAGCTATCTGGCTAGACGAAGTCATCTGCACTGGGAAAGAGTCTC
ATATTTGGCAGTGCCATTCACATGGCTGGGGACGCCATAACTGCAGGCACAAAGAAGATGCAGGTGTTAT
CTGCTCCGAGTTCATGTCTCTGAGGCTGACCAACGAAGCCCACAAAGAAAACTGCACAGGTCGCCTTGAA
GTGTTTTACAATGGTACATGGGGCAGTATTGGCAGTAGCAATATGTCTCCAACCACTGTGGGGGTGGTGT
GCCGTCAGCTGGGCTGTGCAGACAACGGGACTGTGAAACCCATACCTTCAGACAAGACACCATCCAGGCC
CATGTGGGTAGATCGTGTGCAGTGTCCAAAAGGAGTTGACACTTTGTGGCAGTGCCCCTCGTCACCTTGG
AAACAGAGACAGGCCAGCCCCTCCTCCCAGGAGTCCTGGATCATCTGTGACAACAAAATAAGACTCCAGG
AAGGGCATACAGACTGTTCTGGACGTGTGGAGATCTGGCACAAAGGTTCCTGGGGAACAGTGTGTGATGA
CTCCTGGGATCTTAATGATGCTAAGGTTGTATGTAAGCAGTTGGGCTGTGGCCAAGCTGTGAAGGCACTA
AAAGAAGCAGCATTTGGTCCAGGAACTGGGCCCATATGGCTCAATGAAATTAAGTGTAGAGGGAATGAGT
CTTCCCTGTGGGATTGTCCTGCCAAACCGTGGAGTCACAGCGACTGTGGGCACAAAGAAGATGCTTCCAT
CCAGTGCCTCCCAAAAATGACTTCAGAATCACATCATGGCACAGGTCACCCCACCCTCACGGCACTCTTG
GTTTGTGGAGCCATTCTATTGGTCCTCCTCATTGTCTTCCTCCTGTGGACTCTGAAGCGACGACAGATTC
AGCGACTTACAGTTTCCTCAAGAGGAGAGGTCTTGATACATCAAGTTCAGTACCAAGAGATGGATTCAAA
GGCGGATGATCTGGACTTGCTGAAATCCTCGGAAAATTCCAACAATTCATATGATTTTAATGATGATGGA
CTGACATCTTTGTCTAAATATCTTCCTATTTCTGGAATTAAAAAGGGGTCATTCAGAGGCACACTGAGAA
GGAAAATGATAATTTATAATCCACTGAGGTTGGAGTTTAAGAAGCCTTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001170395
Insert Size:	3480 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:	BC144848, AAI44849

RefSeq Size:	3813 bp
RefSeq ORF:	3480 bp
Locus ID:	93671
Cytogenetics:	6 F2
Gene Summary:	Involved in clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages and may thereby protect tissues from free hemoglobin-mediated oxidative damage. May play a role in the uptake and recycling of iron, via endocytosis of hemoglobin/haptoglobin and subsequent breakdown of heme. Binds hemoglobin/haptoglobin complexes in a calcium-dependent and pH-dependent manner. Induces a cascade of intracellular signals that involves tyrosine kinase-dependent calcium mobilization, inositol triphosphate production and secretion of IL6 and CSF1 (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.