

Product datasheet for **SC319669**

CD23 (FCER2) (NM_002002) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD23 (FCER2) (NM_002002) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD23
Synonyms:	BLAST-2; CD23; CD23A; CLEC4J; FCE2; IGEBF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002002.3
 CTGCTTAAACCTGTGCTCTGACGGTCCCTGCCAATCGCTCTGGTCGACCCCAACACACT
 AGGAGGACAGACACAGGCTCCAACTCCACTAACCAGAGCTGTGATTGTGCCCGCTGAGT
 GGACTGCGTTGTGAGGGAGTGAGTGCTCCATCATCGGGAGAATCCAAGCAGGACCGCCAT
 GGAGGAAGGTCAATATTCAGAGATCGAGGAGCTTCCCAGGAGGCGGTGTTGCAGGCGTGG
 GACTCAGATCGTCTGCTGGGGCTGGTGACCGCCGCTCTGTGGGCTGGGCTGCTGACTCT
 GCTTCTCCTGTGGCACTGGGACACCACAGAGTCTAAAACAGCTGGAAGAGAGGCTGC
 CCGGAACGTCTCTCAAGTTTCCAAGAAGCTTGGAAAGCCACCACGGTGACCAGATGGCGCA
 GAAATCCCACTCCACGCAGATTTTACAGGAACTGGAGGAACTTCGAGCTGAACAGCAGAG
 ATTGAAATCTCAGGACTTGGAGCTGTCTTGAACCTGAACGGGCTTCAAGCAGATCTGAG
 CAGCTTCAAGTCCAGGAATTGAACGAGAGGAACGAAGCTTCAAGTTTGTGGAAAGACT
 CCGGGAGGAGGTGACAAAGCTAAGGATGGAGTTGCAGGTGTCCAGCGGCTTTGTGTGCAA
 CACGTGCCCTGAAAAGTGGATCAATTTCCAACGGAAGTGTACTACTTCGGCAAGGGCAC
 CAAGCAGTGGGTCCACGCCCGGTATGCCTGTGACGACATGGAAGGGCAGCTGGTCAGCAT
 CCACAGCCCGGAGGAGCAGGACTTCCTGACCAAGCATGCCAGCCACACCGGCTCCTGGAT
 TGGCCTTCGGAACCTTGGACCTGAAGGGGAGTTTATCTGGGTGGATGGGAGCCACGTGGA
 CTACAGCAACTGGGCTCCAGGGGAGCCACCAGCCGGAGCCAGGGCGAGGACTGCGTGAT
 GATGCGGGGCTCCGGTGCCTGGAACGACGCCTTCTGCGACCGTAAGCTGGGCGCCTGGGT
 GTGCGACCGGCTGGCCACATGCACGCCGCCAGCCAGCGAAGGTTCCGCGGAGTCCATGGG
 ACCTGATTCAAGACCAGACCCTGACGGCCGCTGCCACCCCTCTGCCCTCTCCACTC
 TTGAGCATGGATACAGCCAGGCCAGAGCAAGACCCTGAAGACCCCAACCACGGGCTAA
 AAGCCTCTTTGTGGCTGAAAGTCCCTGTGACATTTTCTGCCACCAACGGAGGCAGCT
 GACACATCTCCGCTCCTCTATGGCCCCCTGCCTTCCCAGGAGTACACCCCAACAGCACCC
 TCTCCAGATGGGAGTGGCCCAACAGCACCCCTCTCCAGATGAGAGTACACCCCAACAGCA
 CCTCTCCAGATGAGAGTACACCCCAACAGCACCCCTCTCCAGATGAGAGTACACCCCAAC
 AGCACCCCTCTCCAGATGCAGCCCATCTCCTCAGCACCCAGGACCTGAGTATCCCCAGC
 TCAGGTGGTGAAGTCTCCTGTCCAGCCTGCATCAATAAAATGGGGCAGTATGGCCTCCC
 AA
 AA

Restriction Sites: Please inquire

ACCN: NM_002002

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	NM_002002.3 , NP_001993.2
RefSeq Size:	1652 bp
RefSeq ORF:	966 bp
Locus ID:	2208
UniProt ID:	P06734
Cytogenetics:	19p13.2
Domains:	CLECT
Protein Families:	Secreted Protein, Transmembrane
Protein Pathways:	Hematopoietic cell lineage
Gene Summary:	<p>The protein encoded by this gene is a B-cell specific antigen, and a low-affinity receptor for IgE. It has essential roles in B cell growth and differentiation, and the regulation of IgE production. This protein also exists as a soluble secreted form, then functioning as a potent mitogenic growth factor. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a, also known as CD23a). Both variants 1 and 3 encode the same isoform.</p>