

## Product datasheet for **SC331769**

### CD23 (FCER2) (NM\_001220500) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD23 (FCER2) (NM_001220500) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD23
Synonyms:	BLAST-2; CD23; CD23A; CLEC4J; FCE2; IGEBF
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331769 representing NM_001220500. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAGGAAGGTCAATATTCAGAGATCGAGGAGCTCCAGGAGGCGGTGTTGCAGGCGTGGGACTCAG
ATCGTGTCTGCTGGGGCTGGTGACCGCCGCTCTGTGGGCTGGGCTGCTGACTCTGCTTCTCCTGTGGCAC
TGGGACACCACACAGAGTCTAAACAGCTGGAAGAGAGGGCTGCCCGAACGTCTCTCAAGTTTCCAAG
AACTTGGAAAGCCACCACGGTGACCAGATGGCGCAGAAATCCCAGTCCACGCAGATTTACAGGAACTG
GAGGAACCTCGAGCTGAACAGCAGAGATTGAAATCTCAGGACTTGAGCTGTCTGGAACCTGAACGGG
CTTCAAGCAGATCTGAGCAGCTCAAGTCCCAGGAATTGAACGAGAGGAACGAAGCTTCAGATTTGCTG
GAAAGACTCCGGGAGGAGGTGACAAAGTAAGGATGGAGTTGCAGGTGTCCAGCGGCTTTGTGTGCAAC
ACGTGCCCTGAAAAGTGATCAATTTCCAACGGAAGTGCTACTACTTCGGAAGGGCACCAAGCAGTGG
GTCCACGCCCCGGTATGCCTGTGACGACATGGAAGGGCAGCTGGTCAGCATCCACAGCCCCGGAGGAGCAG
GACTTCTGACCAAGCATGCCAGCCACACCGGCTCCTGGATTGGCCTTCGGAACCTGGACCTGAAGGGG
GAGTTTATCTGGGTGGATGGGAGCCACGTGGACTACAGCAACTGGGCTCCAGGGGAGCCCACCAGCCGG
AGCCAGGGCGAGGACTGCGTGATGATGCGGGGCTCCGGTCGTTGGAACGACGCTTCTGCGACCGTAAG
CTGGGCGCCTGGGTGTGCGACCGGCTGGCCACATGCACGCCGCCAGCCAGCGAAGTTCCGCGGAGTCC
ATGGGACCTGATTCAAGACCAGACCTGACGGCCGCTGCCACCCCTCTGCCCTCTCCACTCTGA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001220500
Insert Size:	966 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).



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**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\\_001220500.1](#)

**RefSeq Size:** 1624 bp

**RefSeq ORF:** 966 bp

**Locus ID:** 2208

**UniProt ID:** [P06734](#)

**Cytogenetics:** 19p13.2

**Protein Families:** Secreted Protein, Transmembrane

**Protein Pathways:** Hematopoietic cell lineage

**MW:** 36.5 kDa

**Gene Summary:** 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]  
Transcript Variant: This variant (3) uses an alternate donor splice site in the 5' UTR, compared to variant 1. Both variants 1 and 3 encode the same isoform (a, also known as CD23a).