

Product datasheet for **SC331740**

CD23 (FCER2) (NM_001207019) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD23 (FCER2) (NM_001207019) Human Untagged Clone
Tag: Tag Free
Symbol: CD23
Synonyms: BLAST-2; CD23; CD23A; CLEC4J; FCE2; IGEBF
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331740 representing NM_001207019.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGAATCCTCCAAGCCAGGAGATCGAGGAGCTCCAGGAGGCGGTGTTGCAGGCGTGGGACTCAGATC
GTGCTGCTGGGGCTGGTACC GCCGCTCTGTGGGCTGGGCTGCTGACTCTGCTTCTCCTGTGGCACTGG
GACACCACACAGAGTCTAAAACAGCTGGAAGAGAGGGCTGCCCGAACGCTCTCAAGTTTCCAAGAAC
TTGAAAGCCACCACGGTGACCAGATGGCGCAGAAATCCCAGTCCACGCAGATTTACAGGAACTGGAG
GAATTCGAGCTGAACAGCAGAGATTGAAATCTCAGGACTTGAGCTGTCCTGGAACCTGAACGGGCTT
CAAGCAGATCTGAGCAGCTTCAAGTCCCAGGAATTGAACGAGAGGAACGAAGCTTCAGATTTGCTGGAA
AGACTCCGGGAGGAGGTGACAAAGCTAAGGATGGAGTTGCAGGTGCCAGCGGCTTTGTGTGCAACACG
TGCCCTGAAAAGTGGATCAATTTCCAACGGAAGTGTACTACTTCGGCAAGGGCACCAAGCAGTGGGTC
CACGCCGGTATGCCTGTGACGACATGGAAGGGCAGCTGGTCAGCATCCACAGCCCGGAGGAGCAGGAC
TTCTGACCAAGCATGCCAGCCACACCGGCTCCTGGATTGGCCTTCGGAACCTGGACCTGAAGGGGGAG
TTTATCTGGTGGATGGGAGCCACGTGGACTACAGCAACTGGGCTCCAGGGGAGCCACCAGCCGGAGC
CAGGGCGAGGACTGCGTGATGATGCGGGGCTCCGGTCGCTGGAACGACGCCTTCTGCGACCGTAAGCTG
GGCGCTGGGTGTGCGACCGGCTGGCCACATGCACGCCGCCAGCCAGCGAAGGTTCCGCGGAGTCCATG
GGACCTGATTCAAGACCAGACCTGACGGCCGCTGCCACCCCTCTGCCCTCTCCACTCTGA
```

Restriction Sites: SgfI-MluI
ACCN: NM_001207019
Insert Size: 963 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).



[View online >](#)

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_001207019.2](#)

RefSeq Size: 1488 bp

RefSeq ORF: 963 bp

Locus ID: 2208

UniProt ID: [P06734](#)

Cytogenetics: 19p13.2

Protein Families: Secreted Protein, Transmembrane

Protein Pathways: Hematopoietic cell lineage

MW: 36.3 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 (2) contains an alternate 5' terminal exon and it thus differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (b, also known as CD23b) is shorter and has a distinct N-terminus, compared to isoform a. This variant is supported by data in PubMed IDs 12379312 and 15843555. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.