

Product datasheet for **SC337182**

CD22 (NM_001278417) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD22 (NM_001278417) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD22
Synonyms:	SIGLEC-2; SIGLEC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC337182 representing NM_001278417.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCTCTGTGGCTCCTAGAGGGGGTCCAATGAGGCAGGCTGCTGTACCTCGACCTCCTTGACCATC
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GTGGACTATGTGATCCTCAAACATTGA
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Restriction Sites: SgfI-MluI

ACCN: NM_001278417

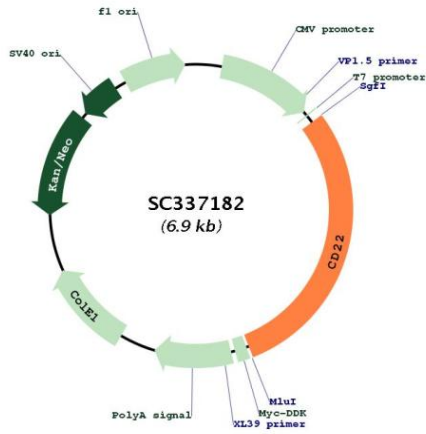
Insert Size: 2028 bp

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:	<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_001278417.1
RefSeq Size:	3132 bp
RefSeq ORF:	2028 bp
Locus ID:	933
UniProt ID:	P20273
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	B cell receptor signaling pathway, Cell adhesion molecules (CAMs), Hematopoietic cell lineage
MW:	75.4 kDa
Gene Summary:	<p>Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site can be masked by cis interactions with sialic acids on the same cell surface. Upon ligand induced tyrosine phosphorylation in the immune response seems to be involved in regulation of B-cell antigen receptor signaling. Plays a role in positive regulation through interaction with Src family tyrosine kinases and may also act as an inhibitory receptor by recruiting cytoplasmic phosphatases via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) lacks the exon containing the translation initiation site and uses an alternate splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (5) has a shorter and distinct N-terminus compared to isoform 1.</p>

Product images:



Circular map for SC337182