

Product datasheet for **SC328444**

CD244 (NM_001166664) Human Untagged Clone

Product data:

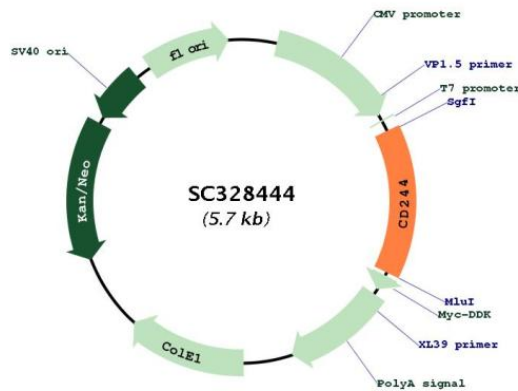
Product Type:	Expression Plasmids
Product Name:	CD244 (NM_001166664) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD244
Synonyms:	2B4; NAIL; NKR2B4; Nmrk; SLAMF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328444 representing NM_001166664. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCTGGGGCAAGTGGTCAACCTCATACTCCTCTGCTCCTCAAGGTGTATCAGGGCAAAGGATGCCAG
GGATCAGCTGACCATGTGGTTAGCATCTCGGGAGTGCCTCTTCAGTTACAACCAACAGCATACAGACG
AAGGTTGACAGCATTGCATGGAAGAAGTTGCTGCCCTCACAAAATGGATTTATCACATATTGAAGTGG
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CTCATCAAGGCAGCTCAGCAGCAGGACAGTGGCCTCTACTGCCTGGAGGTCACCAGTATATCTGGAAAA
GTTTCAGACAGCCACGTTCCAGGTTTTTGTATTTGAATTCAGATTTTGCCGTTTTTGGTGATCATCGTG
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CAGTCAGAGACCAGTCCCAAGGAATTTTGTACAATTTACGAAGATGTCAAGGATCTGAAAACCAGGAGA
AATCACGAGCAGGAGCAGACTTTTCTGGAGGGGGGAGCACCATCTACTCTATGATCCAGTCCCAGTCT
TCTGCTCCCACGTACAAGAACCATGATATACATTATATTCATTAATTCAGCCTTCCAGGAAGTCTGGA
TCCAGGAAGAGGAACACAGCCCTTCTTCAATAGCACTATCTATGAAGTATTGGAAAGAGTCAACCT
AAAGCCCAGAACCCTGCTCGATTGAGCCGAAAGAGCTGGAGAATTTGATGTTTATTCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001166664

Insert Size: 822 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).

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:

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_001166664.1](#)

RefSeq Size: 2252 bp

RefSeq ORF:	822 bp
Locus ID:	51744
UniProt ID:	<u>Q9BZW8</u>
Cytogenetics:	1q23.3
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Natural killer cell mediated cytotoxicity
MW:	30.8 kDa
Gene Summary:	<p>This gene encodes a cell surface receptor expressed on natural killer (NK) cells (and some T cells) that mediate non-major histocompatibility complex (MHC) restricted killing. The interaction between NK-cell and target cells via this receptor is thought to modulate NK-cell cytolytic activity. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (3) is lacking an in-frame coding exon compared to variant 1, resulting in a shorter isoform (3) missing an internal protein segment compared to isoform 1.</p>