

Product datasheet for **SC126016**

CD24 (BC064619) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD24 (BC064619) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD24
Synonyms:	CD24 antigen; CD24 antigen (small cell lung carcinoma cluster 4 antigen); CD24 molecule; CD24A; FLJ22950; FLJ43543; MGC75043
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC064619 edited
CCCGGAGCCAGCGGTTCTCCAAGCACCCAGCATCCTGCTAGACGCGCCGCGCACCCGACGG
AGGGGACATGGGCAGAGCAATGGTGGCCAGGCTCGGGCTGGGGCTGCTGCTGCTGGCACT
GCTCCTACCCACGCAGATTTATTCAGTGAAACAACAACCTGGAACCTCAAGTAACTCCTC
CCAGAGTACTTCCAACCTGGGTGGCCCAAATCCAATAATGCCACCACCAAGGCGGC
TGGTGGTGCCCTGCAGTCAACAGCCAGTCTCTTCGTGGTCTCACTCTCTCTTCTGCATCT
CTACTCTTAAGAGACTCAGGCCAAGAAACGTCTTCTAAATTTCCCATCTTCTAAACCCA
ATCCAAATGGCGTCTGGAAGTCCAATGTGGCAAGGAAAAACAGGTCTTCATCGAATCTAC
TAATCCACACCTTTTATTGACACAGAAAATGTTGAGAATCCCAAATTTGATTGATTTGA
AGAACATGTGAGAGGTTTGACTAGATGATGGATGCCAATATTAATCTGCTGGAGTTTCA
TGTACAAGATGAAGGAGAGGCAACATCCAAAATAGTTAAGACATGATTTCTTGAATGTG
GCTTGAGAAAATATGGACACTTAATACTACCTTGAAAATAAGAATAGAAAATAAAGGATGG
ATTGTGGAATGGAGATTCAGTTTTTCATTTGGTTCATTAATTCTATAAGGCCATAAAACAG
GTAATATAAAAAGCTTCCATGATTCTATTTATATGTACATGAGAAGGAACCTCCAGGTGT
TACTGTAATTCCTCAACGTATTGTTTCGACAGCACTAATTTAATGCCGATATACTCTAGA
TGAAGTTTACATTGTTGAGCTATTGCTGTTCTCTTGGGAACGAACTCACTTTCTCCTCT
GAGGCTTTGGATTTGACATTGCATTTGACCTTTTATGTAGTAATTGACATGTGCCAGGGC
AATGATGAATGAGAATCTACCCAGATCCAAGCATCCTGAGCAACTCTTGATTATCCAT
ATTGAGTCAAAATGGTAGGCATTTCTATCACCTGTTTCCATTCAACAAGAGCACTACATT
CATTTAGCTAAACGGATTCCAAAGAGTAGAATTGCATTGACCGGACTAATTTCAAAATG
CTTTTTATTATTATTTTTAGACAGTCTCACTTTGTGCGCCAGGCCGGAGTGCAGTG
GTGCGATCTCAGATCAGTGTACCATTTGCCTCCCGGCTCAAGCGATTCTCCTGCCTCAG
CCTCCCAAGTAGCTGGGATTACAGGCACCTGCCACCATGCCCGGCTAATTTTTGTAAATTT
TAGTAGAGACAGGTTTTACCATGTTGCCAGGCTGGTTTCGAACTCCTGACCTCAGGTG
ATCCACCCGCTCGGCTCCCAAAGTGCTGGGATTACAGGCTTGAGCCCCGCGCCAGC
CATCAAAATGCTTTTTATTTCTGCATATGTTGAATACTTTTTACAATTTAAAAAATGAT
CTGTTTTGAAGGCAAAATGCAATCTTGAAATTAAGAAGGCAAAATGTAAAGGAGTCA
AAACTATAAATCAAGTATTTGGGAAGTGAAGACGAAGCTAATTTGCATTAATTCACAAA
CTTTTACTCTTCTGTATATACATTTTTTTCTTTAAAAACAACATGGATCAGAAT
AGCCACATTTGGAACACTTTTTGTATCAGTCAATTTTTTAGATAGTTAGAACCTGGTC
CTAAGCCTAAAAGTGGGCTTGATTCTGCAGTAACTTTTTACAACCTGCCTCGACACACAT
AAACCTTTTTAAAAATAGACACTCCCCGAAGTCTTTTGTTCGCATGGTCACACACTGATG
CTTAGATGTTCCAGTAATCTAATATGGCCACAGTAGTCTTGATGACCAAAGTCCTTTTTT
TCCATCTTTAGAAAACATACATGGGAACAAACAGATCGAACAGTTTTGAAGCTACTGTGTG
TGTGAATGAACACTCTTTTGCTTTATCCAGAATGCTGTACATCTATTTTGGATTGTATA
TTGTGTTTGTGATTTACGCTTTGATTCATAGTAACTTCTTATGGAATTGATTGCAATTG
AACACAACTGTAATAAAAAAGAAATGGCTGAAAGAGCAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC064619 unedited GAAATCAGGATTTGTAATACGACTTACTATAGGCGGCCGCGNAATCAAATCTGGTACCGG TCCGGAATTCCTGGGATCCCGNACCAGCGGTTCTCAAGCACCCAGCATCCTGCTAGAC GCGCCGCGCACCACGGAGGGGACATGGGCAGAGCAATGGTGGCCAGGCTCGGGCTGGGG CTGCTGCTGCTGGCACTGCTCTACCCACGCAGATTTATTCCAGTGAAACAACAACCTGGA ACTTCAAGTAACTCCTCCAGAGTACTTCCAACCTGGGTTGGCCCCAAATCCAATAAT GCCACCACCAAGGCGGCTGGTGGTGCCCTGCAGTCAACAGCCAGTCTCTTCGTGGTCTCA CTCTCTTCTGCATCTCTACTCTTAAGAGACTCAGGCCAAGAAACGTCTTCTAAATTTTC CCCATCTTCTAAACCAATCCAATGGCGTCTGGAAGTCCAATGTGGCAAGGAAAAACAG GTCTTCATCGAATCTACTAATTCACACCTTTTATTGACACAGAAAATGTTGAGAATCCC AAATTTGATTGATTTGAAGAACATGTGAGAGGTTTGACTAGATGATGGATGCCAATATTA AATCTGCTGGAGTTTCATGTACAAGATGAAGGAGAGGCAACATCCAAAATAGTTAAGACA TGATTTCTTGAATGTGGCTTGAGGAATATGGACACTTAATACTACCTTGGAAATAGAAT AGAATAAGGATGGGATTGTGGAATGGAGATTCAGTTTTTCATTTGGGTCATTAATTCTAT AGGGCCATAAAAAAGGTGATATAAAAAAGCTTCATGGTTCTAATTATGTACATGAGGAG GAACCTTCCAGTGTACTGGAATCCTCAACGGATTGGTGTGAGGCCCTAATTTAAGGC GATAAACTCTG
Restriction Sites:	Please inquire
ACCN:	BC064619
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:	BC064619.1 , AAH64619.1
RefSeq Size:	2180 bp
RefSeq ORF:	240 bp
Locus ID:	100133941
Cytogenetics:	6q21

Gene Summary:

This gene encodes a sialoglycoprotein that is expressed on mature granulocytes and B cells and modulates growth and differentiation signals to these cells. The precursor protein is cleaved to a short 32 amino acid mature peptide which is anchored via a glycosyl phosphatidylinositol (GPI) link to the cell surface. This gene was missing from previous genome assemblies, but is properly located on chromosome 6. Non-transcribed pseudogenes have been designated on chromosomes 1, 15, 20, and Y. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]