

Product datasheet for **SC320913**

CD43 (SPN) (NM_003123) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD43 (SPN) (NM_003123) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD43
Synonyms:	CD43; GALGP; GPL115; LSN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003123.3
 CTTCCCTGCCTCCCTCAGGTCCCAGCTCTTGTCTCTGCCTGTTTGCCTGGAAATGGCCAC
 GCTTCTCCTTCTCCTTGGGGTGTGGTGGTAAGCCAGACGCTCTGGGGAGCACAAACAGC
 AGTGCAGACACCCACCTCCGGAGAGCCTTTGGTCTCTACTAGCGAGCCCTGAGCTCAA
 GATGTACACCACTTCAATAACAAGTGACCCTAAGGCCGACAGCACTGGGGACCAGACCTC
 AGCCCTACCTCCCTCAACTTCCATCAATGAGGGATCCCCTCTTTGGAAGTCCATTGGTGC
 CAGCACTGGTCCCCTTTACCTGAGCCAACAACCTACCAGGAAGTTCCATCAAGATGTC
 ATCAGTGGCCCAAGAAACCCCTCATGCAACCAGTCATCCTGCTGTTCCATAACAGCAAA
 CTCTCTAGGATCCACACCGTGACAGGTGGAACCATAAACAACGAAGTCTCCAGAAACCTC
 CAGTAGGACCACTGGAGCCCTGTTACCACGGCAGCTAGCTCTCTGGAGACCTCCAGAGG
 CACCTCTGGACCCCTCTTACCATGGCAACTGTCTCTCTGGAGACTTCAAAGGCACCTC
 TGGACCCCTGTTACCATGGCAACTGACTCTCTGGAGACCTCCACTGGGACCACTGGACC
 CCCTGTTACCATGACAAGTGGCTCTCTGGAGCCCTCCAGCGGGGCCAGTGGACCCAGGT
 CTCTAGCGTAAACTATCTACAATGATGTCTCCAACGACCTCCACCAACGCAAGCACTGT
 GCCCTTCCGGAACCCAGATGAGAAGTACGAGGCATGCTGCCAGTGGCTGTGCTTGTGGC
 CCTGCTGGCGGTATAGTCTCTGGTCTGCTCTGCTGTGGCGCCGGCGCAGAAAGCG
 GCGGACTGGGGCCCTCGTGTGAGCAGAGGCGGCAAGCGTAACGGGGTGGTGGACGCTG
 GGCTGGGCCAGCCAGGTCCCTGAGGAGGGGGCCGTGACAGTGACCGTGGGAGGGTCCGG
 GGGCGACAAGGGCTCTGGGTTCCCGATGGGGAGGGGTCTAGCCGTCGGCCACGCTCAC
 CACTTTCTTTGGCAGACGGAAAGTCTCGCCAGGGCTCCCTGGCGATGGAGGAGCTGAAGTC
 TGGGTGAGCCCGCAGCTCAAAGGGGAGGAGGCCACTGGTGGCCAGTGGATGGGGC
 TGTGGACGCCCGCAGCTCTGATGAGCCGAAGGGGAGACGGGGTGGCCCTTAAGTGTG
 GGTGAATAGTGAGGCTGGAGGCCGGAATCTCAGCCAGCCTCCAGCACCTCCCTCTCACC
 ATCCCACTGCCCTCGCTCCCATGTTTCCACCGGCACCTGATCCTCACCCGAATCTC
 CTTTTTTTTTTTTTTTTGAGACAGAGTTTCGCTTGTGCGCCAGGCTGGAGTGCAATGCA
 CGATCTCAGTTCAGTCAACCTCTGCCTCCTAAGTTCAGGCGATTCTCCTGCCTCAGCTT
 CCCGAGTAACTGAGATTACAGGCACCCACCACCATGCCAGCTGCTTTTTTGTATTTTTG
 GTAGAGATGGGGTTTACCATGTTGGCTAGGCTGGTCTCAAACCTCTGACCTCAGGTGAT
 CTACCTGCCTCAGCCTCCCAAAGTGTGAGATTACAGACATGAGCCTCCGCGCTTGCT
 CCTCACCCACCTTCTCACTCTGAATCCTCATGAGGCTTCTCAGCCCTGGATTTCTGCTG
 CCATCCTCACCCAGCACCAACTAGCGCCTGGGCAGGGCAGGGCTGGCACCTCTCAAC
 GTCTGTGGACTGAATGAATAAACCTCCTCATCCACCCTAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_003123

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_003123.3](#), [NP_003114.1](#)

RefSeq Size: 6871 bp

RefSeq ORF: 1203 bp

Locus ID: 6693

UniProt ID: [P16150](#)

Cytogenetics: 16p11.2

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

Gene Summary: This gene encodes a highly sialylated glycoprotein that functions in antigen-specific activation of T cells, and is found on the surface of thymocytes, T lymphocytes, monocytes, granulocytes, and some B lymphocytes. It contains a mucin-like extracellular domain, a transmembrane region and a carboxy-terminal intracellular region. The extracellular domain has a high proportion of serine and threonine residues, allowing extensive O-glycosylation, and has one potential N-glycosylation site, while the carboxy-terminal region has potential phosphorylation sites that may mediate transduction of activation signals. Different glycoforms of this protein have been described. In stimulated immune cells, proteolytic cleavage of the extracellular domain occurs in some cell types, releasing a soluble extracellular fragment. Defects in expression of this gene are associated with Wiskott-Aldrich syndrome. [provided by RefSeq, Sep 2017]

Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. 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.