

Product datasheet for **SC122768**

CD160 (NM_007053) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD160 (NM_007053) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD160
Synonyms:	BY55; NK1; NK28
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_007053 edited
 CCCCAGTCTGAGAACAAGAAAGAAGAACTTCTGTCTCGAGGGTCTCACTGTCAACCAGGC
 CAGAGTGCAGTGAAGATCATACCTCACTACATCCGTGAAGTCCCGGGCTCCTCCACCTA
 AGTCTCTTGAGTAGCTGGGACTTCAGGAGACTGAAGCCAAGGATACCAGCAGAGCCAACA
 TTTGCTTCAAGTTCCTGGGCTGCTGACAGCGTGCAAGGATGCTGTTGGAACCCGGCAGAG
 GCTGCTGTGCCCTGGCCATCCTGCTGGCAATTGTGGACATCCAGTCTGGTGGATGCATTA
 ACATCACCAGCTCAGCTTCCAGGAAGAACGCGACTAACTTAATCTGTACTGTATGGC
 ATAAGAAAGAAGAGGCTGAGGGGTTTGTAGTGTGTTTGTGCAAGGACAGGTCTGGAGACT
 GTTCTCCTGAGACCAGTTTAAAACAGCTGAGACTTAAAAGGGATCCTGGGATAGATGGTG
 TTGGTGAATATCATCTCAGTTGATGTTACCATAAGCCAAGTCACACCGTTGCACAGTG
 GGACCTACCAGTGTGTGCCAGAAGCCAGAAGTCAGGTATCCGCCTTCAGGGCCATTTTT
 TCTCCATTCTATTCACAGAGACAGGGAAGTACACAGTGACGGGATTGAAACAAAGACAAC
 ACCTTGAGTTCAGCCATAATGAAGGCACTCTCAGTTCAGGCTTCTACAAGAAAAGGTCT
 GGGTAATGCTGGTCACCAGCCTTGTGGCCCTTCAAGCTTTGTAAGCCTTGTGCCAAAAGA
 AACTTTTAAAACAGCTACAGCAAGATGAGTCTGACTATGGCTTAGTATCTTTCTCATTAC
 AATAGGCACAGAGAAGAATGCAACAGGGCACAGGGGAAGAGATGCTAAATATACCAAGAA
 TCTGTGGAATATAAGCTGGGGCAAATCAGTGTAATCCTTGACTTTGCTCCTCACCATCA
 GGGCAAATTTGCCTTCTCCCTCCTAAGCTCCAGTAAATAAACAGAACAGCTTTACCAA
 AGTGGGTAGTATAGTCTCAAATATCGGATAAATATATCGGTTTTTGTACCCAGAAAAA
 CTTTTCTCCCTTTCATCAACATAGTAAAATAAGTCAAACAAAATGAGAACACCAAATT
 TTGGGGGAATAAATTTTTATTTAACACTGCAAAGGAAAGAGAGAGAAAACAAGCAAAGAT
 AGGTAGGACAGAAAGGAAGACAGCCAGATCCAGTGATTGACTTGGCATGAAAATGAGAAA
 ATGCAGACAGACCTCAACATTCAACAACATCCATACAGCACTGCTGGAGGAAGAGGAAGA
 TTTGTGCAGACCAAGAGCACCACAGACTACAAGTCCAGCTTCACTAAATACTTGTTA
 ACCTCTTTGGTCATTTCTTTTTAAATAAATGCCCATAGCAGTAAAAAAAAAAAAAAAAA
 AAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_007053 unedited AGTTAGATTTGTAACGACTTTTATAGGCGGCCGCAATTCGCACGAGGCCCCAGTCTG AGAACAAGAAAGAAGAACTTCTGTCTCGAGGGTCTCACTGTCAACCAGGCCAGAGTGCAG TGAAGATCATACCTCACTACATCCGTGAACCTCCGGGCTCCTCCACCTAAGTCTCTTGA GTAGCTGGGACTTCAGGAGACTGAAGCCAAGGATACCAGCAGAGCCAACATTTGCTTCAA GTTCTGGGCTGCTGACAGCGTGCAGGATGCTGTTGGAACCCGGCAGAGGCTGCTGTGC CCTGGCCATCCTGCTGGCAATTGTGGACATCCAGTCTGGTGGATGCATTAACATCACCAG CTCAGTCTCCAGGAAGGAACGCGACTAACTTAATCTGTAAGTATGGCATAAGAAAGA AGAGGCTGAGGGGTTTGTAGTGTTTTTGTGCAAGGACAGGCTGGAGACTGTTCTCTGA GACCAGTTAAAACAGCTGAGACTTAAAAGGGATCCTGGGATAGATGGTGTGGTAAAT ATCATCTCAGTTGATGTTACCATAAGCCAAGTACACCGTTGCACAGTGGGACCTACCA GTGTTGTGCCAGAAGCCAGAAGTCAGGTATCCGCCTTCAGGGCCATTTTTCTCCATTCT ATTCACAGAGACAGGGAACACACAGTACCGGATTGAAACAAAGACAACACCTTGAGTT CAGCCATAATGAAGGCACTCTCAGTTCAGGCTTCTACAAGAAAGTCTGTAATGCTG GTCACCAGCCTTGTGGCCCTTCAGCTTGTAGCCTTGTCCANAAGAACTTTAAAC AGCTACAGCAAGATGAGTCTGACTATGGCTTAGTATCCTTCTCATTACAATAGGCACAGA GAAGAATGCACAGGGNACAGGGAAAGAGATGCTAN
Restriction Sites:	Please inquire
ACCN:	NM_007053
Insert Size:	1444 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_007053.2 , NP_008984.1
RefSeq Size:	1559 bp
RefSeq ORF:	546 bp
Locus ID:	11126
UniProt ID:	O95971
Cytogenetics:	1q21.1
Protein Families:	Druggable Genome

Gene Summary:

CD160 is an 27 kDa glycoprotein which was initially identified with the monoclonal antibody BY55. Its expression is tightly associated with peripheral blood NK cells and CD8 T lymphocytes with cytolytic effector activity. The cDNA sequence of CD160 predicts a cysteine-rich, glycosylphosphatidylinositol-anchored protein of 181 amino acids with a single Ig-like domain weakly homologous to KIR2DL4 molecule. CD160 is expressed at the cell surface as a tightly disulfide-linked multimer. RNA blot analysis revealed CD160 mRNAs of 1.5 and 1.6 kb whose expression was highly restricted to circulating NK and T cells, spleen and small intestine. Within NK cells CD160 is expressed by CD56dimCD16+ cells whereas among circulating T cells its expression is mainly restricted to TCRgd bearing cells and to TCRab+CD8brightCD95+CD56+CD28-CD27-cells. In tissues, CD160 is expressed on all intestinal intraepithelial lymphocytes. CD160 shows a broad specificity for binding to both classical and nonclassical MHC class I molecules. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longer transcript.