

Product datasheet for **MC205782**

Cd160 (NM_018767) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd160 (NM_018767) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd160
Synonyms:	AU045688; By55
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC021596

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GCAAGGAAGAACATCTGTCTGAGGAGTGTGCAGCCACAGACCAGCAAAGTCAACATTTCCGTGAAATTC
CTGGGGCTGACAACAGCATGCAAAGAATCCTGATGGCCCTGGCCAAAGCTGCTGTGCCCTGGCCATCCT
GCTGGCAATTGTGAACTTCCAACATGGTGGATGTATTCATGTACCAGCTCAGCATCCCAGAAAGGAGGG
CGACTGGACCTCACCTGTACTTTGTGGCACAAGAAAGACGAAGCTGAGGGGCTAATACTCTTCTGGTGCA
AAGACAATCCTTGGAACTGTTCCCTGAGACCAGCTTAGAACAGCTTAGGGTTAAAGGGATCCTGAGAC
AGATGGCATCACTGAAAAGTCATCTCAGTTGGTGTTCACCATAGAACAAGCTACACCATCAGACAGTGGG
ACCTACCAGTGTGTGCCAGAAGCCAGAAACCAGAAATCTACATTCATGGCCACTTTCTCTCCGTTCTAG
TCACAGGGAACCACAGAGATAAGACAGAGACAAAGGTCACACCCTGACTTCAGCCATATCAACGGCAC
TCTCAGTTCAGGCTTCTGCAAGTAAAGGCTTGGGGGATGTTGGTCACCAGCCTGGTGGCCCTTCAAGCT
CTATATACCTTGTGACAGAGAGAAAAAAGACTTCAGAGGAAGGTACAGCGAGGTAATCTGACAATGCG
CAGAGAAGCCGGTCCATAAAACGGATATACTCTGAACACTGGGGCCGGCCAGACGGTCAAGGGTAAAGG
TGTTTGCCTGCCACATTGCAGGTCCAACCCGTGCACCCACATGGTGGAGGGAGAGAACTGACTCCCACAG
GCTGTCTCTGATCTCCACTGGGTGCCGTGCCCTCCACCCAGGCAACAAAAAATCCCAAGAAATCTAGCA
GAACAGTTGGTATACCTCTGGATCTCCTTCTGACTGCCAGAGCGAGGTTGGCTTCTCCACCTCGGTGC
CAATAAAGAAAACGTTTTGCAAATGTTGCTGATGTATAGTCCTTGAAATGCCAGGTATGTTTTATACCACA
GAATAATGTTTCCCTCCACACAATAAAATAAGCAAGTTTTAAAAAAAAAAAAAAAA
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Restriction Sites:	RsrII-NotI
ACCN:	NM_018767
Insert Size:	558 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).



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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:	<u>BC021596</u> , <u>AAH21596</u>
RefSeq Size:	1106 bp
RefSeq ORF:	558 bp
Locus ID:	54215
UniProt ID:	<u>O88875</u>
Cytogenetics:	3 F2.1
Gene Summary:	<p>CD160 antigen: Receptor on immune cells capable to deliver stimulatory or inhibitory signals that regulate cell activation and differentiation. Exists as a GPI-anchored and as a transmembrane form, each likely initiating distinct signaling pathways via phosphoinositol 3-kinase in activated NK cells and via LCK and CD247/CD3 zeta chain in activated T cells (By similarity). Receptor for both classical and non-classical MHC class I molecules (PubMed:16177084). Receptor or ligand for TNF superfamily member TNFRSF14, participating in bidirectional cell-cell contact signaling between antigen presenting cells and lymphocytes. Upon ligation of TNFRSF14, provides stimulatory signal to NK cells enhancing IFNG production and anti-tumor immune response (PubMed:25711213). On activated CD4+ T cells, interacts with TNFRSF14 and downregulates CD28 costimulatory signaling, restricting memory and alloantigen-specific immune response (By similarity). In the context of bacterial infection, acts as a ligand for TNFRSF14 on epithelial cells, triggering the production of antimicrobial proteins and proinflammatory cytokines (PubMed:22801499).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode isoform a.</p>