

## Product datasheet for **MC200769**

### **Cd34 (NM\_133654) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cd34 (NM_133654) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd34
Synonyms:	AU040960
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >BC006607 sequence for NM\_133654  
 CCGACGCGTGGGCGCCGGGCCCTCCTGCACCGAGCGCATCTCCGGAGCGGTACAGGAGAATGCAGGTC  
 CACAGGGACACGCGCGCGGGGCTCCTGTGCCATGGCGCTGGGTAGTCTCTGCCTGATGAGTCTGCTGC  
 ATCTAAATAAATTGACTTCTGCTACCACGGAGACTTCTACACAAGGAATATCCCCATCAGTTCCTACCAA  
 TGAGTCTGTTGAGGAAAATACATCTAGCATCCCTGGAAGTACCAGCCACTACTTGATCTATCAGGAC  
 AGCAGTAAGACCACACCAGCCATCTCAGAGACTATGGTCAACTTTACAGTTACCTCTGGGATCCCTTCAG  
 GCTCTGGAACCTCCACACTTTTTCCACAACCACAGACTTCCCAACTGGCATACTGCCTACTACTCAGA  
 CAGTATTTCCACTTCAGAGATGACCTGGAAGTCCAGCCTGCCATCTATAAATGTTTCTGATTATTGCGCT  
 AATAATAGCAGCTTTGAGATGACATCACCCACCGAGCCATATGCTTACACATCATCTTCTGCTCCGAGTG  
 CCATTAAGGGAGAAAATCAATGCTCTGGAATCCGAGAAGTGAAGTTGGCCAGGGTATCTGCCTGGAAC  
 AAGTGAAGCATCTAGTTGTGAGGAGTTTAAAGAGAAAAGGGAGAAGATCTAATTCAAATACTGTGTGAA  
 AAGGAGGAGGCTGAGGCTGATGCTGGTGTAGTGTCTGCTCCCTGCTTCTAGCCAGTCTGAGGTTAGGC  
 CTGAGTGTGTTGCTGATGGTCTTGCCAATAGCACAGAACTTCCAGCAAACCTCCAGCTTATGAAAAAGCA  
 CCAATCTGACTTGAGAAAGCTGGGATCCAAAGCTTCAATAAACAAGATATCGGGAGCCACCAGAGCTAT  
 TCCCGAAAGACTTATTGCATTGGTCACTCTGGAGTTCTGCTGGCCATCTTGGCCACCCTGGTTATT  
 TCCTGATGAACCGTCGCAGTTGGAGCCCTACAGGAGAAAAGGCTGGGTGAAGACCCCTATTACACGGAGAA  
 TGGTGGAGGCCAGGGCTATAGCTCAGGACCTGGGGCTCCCTGAGACTCAGGGAAGGCCAATGTGACC  
 CGAGGGGCTCAGGAGAACGGGACCGGCCAGGCCACTTCCAGAAACGGCCATTAGCAAGACAACATGTGG  
 TGGCTGACACAGAAGTGTGATTTGGTGGGTGGGCAACTGGGTGGTATGCAGGAAAGTGGCATCTTTGT  
 CTCTGACTTATGCTGCCTTCAGCTCATGTCCGGCCTTCTCTATTACATACACTTCTGAAACTGTTCTCT  
 GGGACTTTCACCTTGGGAAGGCAGATAAACTGCCTTCTGCACATCACTTCTGAATCCAATCTCTG  
 ACCTTTGGTCAAGTTGTGGTGGGAAGAAGCCTAGGTCTAGAGGAGCTGCCAAAAAGTTGGTGGCTATG  
 TAGCACTTGGCCTGGACCCATTTCTCTCTCGCCTTTCACGGGAACCTCCGGAAGACTAGCTTTTC  
 TAAGCTACCACTTCTCCAGGAAACTTTGCTATTTTTACTGCTTCTTCCCTACTTTATGGAAACCAAG  
 GTATTCATGACATGTGCTCCCTTGCAAGGTTACAGCCAGAAAAGTGTATTTTTAAAATACATCCTTAAA  
 AAATGCATCCCTTATAAATTCAAGACACTGTGGATTTAGTCACCAACTTCTATCTTGTTACCTGTTCTCT  
 GAATGTCTGTCTACAGAGGCCAGGACAACCTTCTGTCTGGAGTCTGCTCAATGTTTTAGAGCAACAGCTC  
 AATCTGATCCCTTGGGCCACACAGAAATCTCATTGGTTCAACCTAGACAGGACAGTGAATTAGACTTT  
 GAACTGAGCCTCTGTTTTTTGTTTTATTTTATTGCTGGGTTTGAACCCAGAGCTTACACAGCTTCTTT  
 AGGCTTCAAAGTAGCTTGTAGCTACCAGGCCAGCTGAGCTAAACCTCCTGACCTGAGCTTCTCAAAGGAA  
 TACTCTTGTCTGAGGCCCTTGGCCTTCTAAATTACGTGACTTCCCCCTTCTCTGACTCCTGGGGGA  
 GCTGTGGCCTCAGTCCCCTGGCAGATTCCTTTCAGTCTGTGCCTTCTAGTCCAAACCCCTTCACTATT  
 TTATAACCCTTTGTGATCAGAGTTTCAAAATATCTACAAAGACTATAAGTTCCTCTCTGGGGTTAAGG  
 GGAGAACAGGGTCTGATTTTAAATGATGGCTAGGAACAAAACCTTCCAGAGATGAGAGGATTGGGTGTA  
 TTCTCTTCTGAATAAACGTGATGAGTGAATAATGATGTAATTAATTGATGATGAAATAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_133654

**Insert Size:** 1149 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:**

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:** [BC006607](#), [AAH06607](#)

**RefSeq Size:** 2398 bp

**RefSeq ORF:** 1149 bp

**Locus ID:** 12490

**UniProt ID:** [Q64314](#)

**Cytogenetics:** 1 98.38 cM

**Gene Summary:** Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region compared to variant 1. The resulting protein (isoform 2) has a longer C-terminus compared to isoform 1.