

Product datasheet for **SC113128**

CD177 (NM_020406) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD177 (NM_020406) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD177
Synonyms:	HNA-2a; HNA2A; NB1; NB1 GP; PRV-1; PRV1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020406, the custom clone sequence may differ by one or more nucleotides

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ATGAGCGCGGTATTACTGCTGGCCCTCCTGGGGTTCATCCTCCCACTGCCAGGAGTGCAGGCGCTGCTCT
GCCAGTTTGGGACAGTTCAGCATGTGTGGAAGGTGTCCGACCTGCCCGGCAATGGACCCCTAAGAACAC
CAGCTGCGACAGCGGCTTGGGGTCCAGGACACGTTGATGCTCATTGAGAGCGGACCCCAAGTGAGCCTG
GTGCTCTCAAGGGCTGCACGGAGGCCAAGGACCAGGAGCCCCGCGTCACTGAGCACCGGATGGGCCCG
GCCTCTCCCTGATCTCTACACCTTCGTGTGCCGCCAGGAGGACTTCTGCAACAACCTCGTTAACTCCCT
CCCCGTTTGGGCCCCACAGCCCCCAGCAGACCCAGGATCCTTGAGGTGCCAGTCTGCTTGTCTATGGAA
GGCTGTCTGGAGGGGACAACAGAAGAGATCTGCCCAAGGGGACCACACTGTTATGATGGCCTCCTCA
GGCTCAGGGGAGGAGGCATCTTCTCCAATCTGAGAGTCCAGGGATGCATGCCCCAGCCAGTTTGCAACCT
GCTCAATGGGACACAGGAAATTGGGCCCGTGGGTATGACTGAGAAGTGGCATATGAAAGATTTTCTGACC
TGTTCATCGGGGGACCACCATTATGACACACGGAACCTTGGCTCAAGAACCCTGATTGGACCACATCGA
ATACCGAGATGTGCGAGGTGGGGCAGGTGTGTCAGGAGACGCTGCTGCTCCTAGATGTAGGACTCACATC
AACCTGGTGGGGACAAAAGGCTGCAGCACTGTTGGGGCTCAAAATCCCAGAAGACCACCATCCACTCA
GCCCTCCTGGGGTGCTTGTGGCCTCTATACCACTTCTGCTCCTCGGACCTGTGCAATAGTGCCAGCA
GCAGCAGCGTTCTGCTGAACTCCCTCCCTCAAGCTGCCCTGTCCCAGGAGACCGGCAGTGTCTTAC
CTGTGTGCAGCCCCCTTGAACCTGTTCAAGTGGCTCCCCCGAATGACCTGCCCCAGGGGCCACTCAT
TGTATGATGGGTACATTATCTCTCAGGAGGTGGGCTGTCCACCAAAATGAGCATTGAGGCTGCGTGG
CCCAACCTTCCAGCTTCTGTTGAACCACACCAGACAAATCGGGATCTTCTGCGCGTGAGAAGCGTGA
TGTGCAGCCTCCTGCCTCTCAGCATGAGGGAGGTGGGGCTGAGGGCCTGGAGTCTCTCACTTGGGGGTG
GGGCTGGCACTGGCCCCAGCGCTGTGGTGGGGAGTGGTTTGCCCTTCTGCTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_020406 unedited GGGTGACGGCATTATGTACTACGTATNCACTATNAGGGCGGCCCGGAATTCGCACCAG CACAGACGGGTCATGAGCGCGGTACTACTGCTGGCCCTCTGGGGTTCATCCTCCCACTG CCAGGAGTGCAGGCGCTGCTCTGCCAGTTGGGACAGTTCAGCATGTGTGGAAGGTGTCC GACCTGCCCGGCAATGGACCCCTAAGAACACCAGCTGTACAGCGGCTGGGGTGCCAG GACACGTTGATGCTCATTGAGAGCGGACCCCAAGTGAGCCTGGTGTCTCCAAGGGCTGC ACGGAGGCCAAGGACCAGGAGCCCGCTCACTGAGCACCGGATGGGCCCGGCCCTCTCC CTGATCTCTACACCTTGTGTGCCGCCAGGAGACTTCTGCAACAACCTCGTTAACTCC CTCCCGCTTTGGGCCCCACAGCCCCAGCAGACCCAGGATCCTTGAGGTGCCCAGTCTGC TTGTCTATGGAAGGCTGTCTGGAGGGGACAACAGAAGAGATCTGCCCAAGGGGACCACA CACTGTTATGATGGCCTCTCAAGCTCAGGGGAGGAAGCATCTTCTCCAATCTGAGAGTC CAGGGATGCATGCCCCAGCCAGTTGCAACCTGTTCAATGGGACCCAAGAAATTGGGCC CGGGGTTGACTGAGAACCTCAATAAGGAAAAATTTCTTGCCTTGCCTCGGGGGACCAC CTTTTTAAACCCGGAAACCTTGCTTAAAAACCCCACTGATTGGCACCCATCAAACCC AAATTTCAAGGGGGCAAGTGTTCAGGAAACCTCCTTCTCTTATTGTTGGACTCCA TTACCCCTGGGGAGGCCAAAAAGGTTACCACTTTTGGGGGCTAAAAATTCAAAAAA CCCCCTCTATTACCCCTCTGGGGGGTTGGGT
Restriction Sites:	NotI-NotI
ACCN:	NM_020406
Insert Size:	2250 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:	<u>NM_020406.1</u> , <u>NP_065139.1</u>
RefSeq Size:	2364 bp
RefSeq ORF:	2238 bp
Locus ID:	57126
UniProt ID:	<u>Q8N6Q3</u>
Cytogenetics:	19q13.31

Gene Summary:

This gene encodes a glycosyl-phosphatidylinositol (GPI)-linked cell surface glycoprotein that plays a role in neutrophil activation. The protein can bind platelet endothelial cell adhesion molecule-1 and function in neutrophil transmigration. Mutations in this gene are associated with myeloproliferative diseases. Over-expression of this gene has been found in patients with polycythemia rubra vera. Autoantibodies against the protein may result in pulmonary transfusion reactions, and it may be involved in Wegener's granulomatosis. A related pseudogene, which is adjacent to this gene on chromosome 19, has been identified. [provided by RefSeq, Apr 2014]