

# Recombinant Human CD177 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CD177-4896H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	CD177 MS Standard C13 and N15-labeled recombinant protein (NP_065139) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	46.4 kDa
<b>AA Sequence</b>	<p>MSPVLLLALLGFILPLPGVQALLCQFGTVQHVVWVSDLPRQWTPKNTSCDSGLGCQ            DTLMLIESGPQVSLVLSKGCTEAKDQEPRVTEHRMGPGLSLISYTFVCRQEDFCNNL            VNSLPLWAPQPPADPGSLRCPVCLSMEGCLEGTTEEICPKGTTHCYDGLLRRLRGGG            IFSNLRVQGCMPPQGCNLLNGTQEIGPVGMTENCNRKDFLTCHRGTTIMTHGNLAQ            EPTDWTTSNTEMCEVGQVCQETLLLLDVGLTSTLVGKGCSTVGAQNSQKTTIHSA</p>

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PPGVLVASYTHFCSSDLCNSASSSSVLLNSLPPQAAPVPGDRQCPTCVQPLGTCSS  
 GSPRMTCPRGTTTHCYDGYIHLSGGGLSTKMSIQGCVAQPSSFLLNHTRQIGIFSARE  
 KRDVQPPASQHEGGGAEGLES LTWGVGLALAPALWWGVVCPSCSTRTRPLEQKLIS  
 EEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CD177 CD177 molecule [ Homo sapiens (human) ]

**Official Symbol** CD177

**Synonyms** CD177; CD177 molecule; CD177 antigen; HNA2A; NB1; polycythemia rubra vera 1; PRV1; NB1 glycoprotein; cell surface receptor; human neutrophil alloantigen 2a; polycythemia rubra vera protein 1; PRV-1; HNA-2a; NB1 GP;

**Gene ID** 57126

**mRNA Refseq** NM\_020406

**Protein Refseq** NP\_065139

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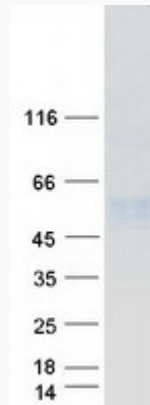
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MIM 162860

UniProt ID Q8N6Q3

SDS-PAGE



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