

# Recombinant Full Length Human CD177 Protein, C-Flag-tagged

**Cat. No.** CD177-962HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human CD177 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<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>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	46.2 kDa
<b>AA Sequence</b>	<p>MSPVLLLALLGFILPLPGVQALLCQFGTVQHVWKVSDLPRQWTPKNTSCDSGLGCQ            DTLMLIESGPQVSL VLSKGCTEAKDQEPRVTEHRMGPGLSLISYTFVCRQEDFCNN            LVNSLPLWAPQPPADPGSLRCPVCLSME GCLEGTTEEICPKGTTHCYDGLLRRLRGG            GIFSNLRVQGCMPQPGCNLLNGTQEIGPVGMTENCNRKDFLT CHRGTTIMTHGNL</p>

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AQEPTDWTTSNTEMCEVGQVCQETLLLLLDVGLTSTLVGTKGCSTVGAQNSQKTTIH  
 S APPGVLVASYTHFCSSDLCNSASSSSVLLNSLPPQAAPVPGDRQCPTCVQPLGTC  
 SSGSPRMTCPRGTH CYDGYIHLSGGGLSTKMSIQGCVAQPSSFLLNHTRQIGIFS  
 AREKRDVQPPASQHEGGGAEGLESITWGV  
 GLALAPALWWGVVCPSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

**Stability** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80 centigrade.

**Concentration** >50 ug/mL as determined by microplate BCA method.

**Preparation** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Full Length** Full L.

## GENE INFORMATION

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

**Official Symbol** [CD177](#)

**Synonyms** NB1; PRV1; HNA2A; PRV-1; HNA-2a; NB1 GP

**Gene ID** [57126](#)

**mRNA Refseq** [NM\\_020406.4](#)

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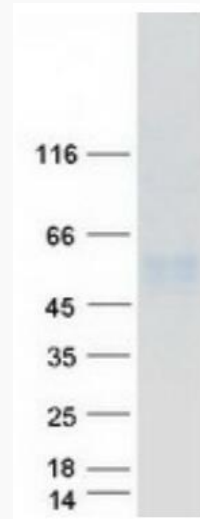
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**Protein Refseq** NP\_065139.2

**MIM** 162860

**UniProt ID** Q8N6Q3



Coomassie blue staining of purified CD177 protein.

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