

## Recombinant Human CD177 protein, His-tagged

Cat. No. CD177-7807H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD177 (Leu22-Gly407) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Leu22-Gly407
<b>Description</b>	CD antigen CD177 is also known as Polycythemia rubra vera protein 1 (PRV-1), Human neutrophil alloantigen 2a, NB1 glycoprotein, is a glycosyl-phosphatidylinositol (GPI)-linked N-glycosylated cell surface glycoprotein. CD177 contains two UPAR/Ly6 domains. CD177 is highly expressed in normal bone marrow and weakly expressed in fetal liver. PECAM-1 is a binding partner of CD177.
<b>Predicted N Terminal</b>	Leu22
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
<b>Molecular Mass</b>	The protein has a calculated MW of 43.2 kDa. The protein migrates as 50-57 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>90% as determined by SDS-PAGE.

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**Storage**

For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 20 to -70 centigrade for 12 months in lyophilized state;
- 70 centigrade for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

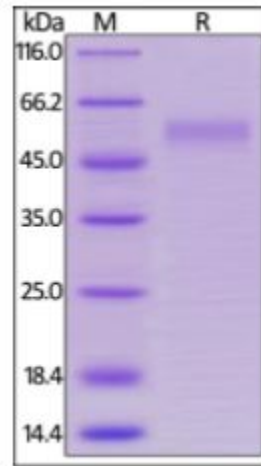
<b>Gene Name</b>	CD177
<b>Official Symbol</b>	CD177
<b>Synonyms</b>	CD177; CD177 molecule; CD177 antigen; HNA2A; NB1; polycythemia rubra vera 1; PRV1; NB1 glycoprotein; cell surface receptor; human neutrophil alloantigen 2a; polycythemia rubra vera protein 1; PRV-1; HNA-2a; NB1 GP
<b>Gene ID</b>	57126
<b>mRNA Refseq</b>	NM_020406
<b>Protein Refseq</b>	NP_065139
<b>MIM</b>	162860
<b>UniProt ID</b>	Q8N6Q3

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**SDS-PAGE of CD177-  
7807H**



Human CD177, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

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