

Product Name: Recombinant Human CD177 (C-6His)
Catalog #: PHH0304

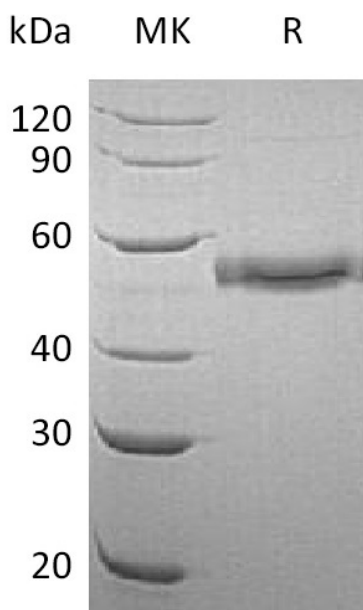


Summary

Name	CD177/PRV1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Polycythemia Rubra Vera Protein 1 is produced by our Mammalian expression system and the target gene encoding Leu22-Gly407 is expressed with a 6His tag at the C-terminus.
Accession #	AAH29167.1
Host	Human Cells
Species	Human
Predicted Molecular Mass	42.33 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

CD177 Antigen; Human Neutrophil Alloantigen 2a; HNA-2a; NB1 Glycoprotein; NB1 GP; Polycythemia Rubra Vera Protein 1; PRV-1; CD177; NB1; PRV1

Background

CD177 is polymorphic and has at least two alleles: PRV1 and NB1. Human PRV1 is a Glycosyl-Phosphatidylinositol (GPI)-linked cell surface glycoprotein that belongs to the uPAR/CD59/Ly6 family of receptors. PRV1 is expressed by neutrophils and neutrophil precursors, and changes in expression serve as diagnostic markers for myeloproliferative disorders such as polycythemia vera and essential thrombocythemia. PRV1 may also be expressed by Erythroblasts, B cells, and Monocytes. NB1, a Glycosyl-Phosphatidylinositol (GPI)-linked cell surface glycoprotein, was first described in a case of neonatal alloimmune neutropenia. It is reported that CD177 functions as a novel heterophilic binding partner that engages PECAM-1 in membrane-proximal IgD6.

Note

For Research Use Only , Not for Diagnostic Use.