

Recombinant Human PRV1/CD177 Protein (His Tag)

Catalog No. PKSH032980

Note: Centrifuge before opening to ensure complete recovery of vial contents.

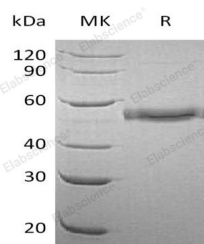
Description

Synonyms	CD177 Antigen;Human Neutrophil Alloantigen 2a;HNA-2a;NB1 Glycoprotein;NB1 GP;Polycythemia Rubra Vera Protein 1;PRV-1;CD177;NB1;PRV1
Species	Human
Expression Host	HEK293 Cells
Sequence	Leu22-Gly407
Accession	AAH29167.1
Calculated Molecular Weight	42.3 kDa
Observed molecular weight	55 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

CD177 is polymorphic and has at least two alleles: PRV1 and NB1. Human PRV1 is a Glycosyl-Phosphatidylinositol

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(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.