

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

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

SPECIFICATION

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

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AQEPTDWTTSNTEMCEVGQVCQETLLLLDVGLTSTLVGKGCSTVGAQNSQKTTIH
 S APPGVLVASYTHFCSSDLCNSASSSSVLLNSLPPQAAPVPGDRQCPTCVQPLGTC
 SSGSPRMTCPRGTTH CYDGYIHLSSGGGLSTKMSIQGCVAQPSSFLLNHTRQIGIFS
 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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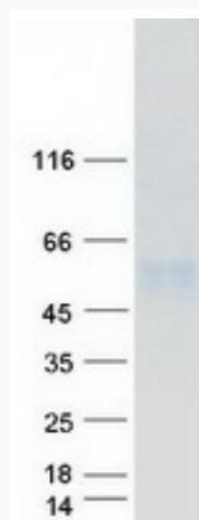
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Protein Refseq NP_065139.2

MIM 162860

UniProt ID Q8N6Q3



Coomassie blue staining of purified CD177 protein.

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