

Recombinant Human CD177 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CD177-4896H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD177 MS Standard C13 and N15-labeled recombinant protein (NP_065139) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	46.4 kDa
AA Sequence	MSPVLLLALLGFILPLPGVQALLCQFGTVQHVVWVSDLPKNTSCDSGLGCQ DTLMLIESGPQVSLVLSKGCTEAKDQEPRVTEHRMGPGLSLISYTFVCRQEDFCNNL VNSLPLWAPQPPADPGSLRCPVCLSMEGCLEGTTEEICPKGTTHCYDGLLRLRGGG IFSNLRVQGCMPPQPGCNLLNGTQEIGPVGMTENCNRKDFLTCHRGTTIMTHGNLAQ EPTDWTTSENTEMCEVGQVCQETLLLLDVGLTSTLVGTKGCSTVGAQNSQKTTIHS

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PPGVLVASYTHFCSSDLCNSASSSSVLLNSLPPQAAPVPGDRQCPTCVQPLGTCSS
GSPRMTCPRGTTTHCYDGYIHLSGGGLSTKMSIQGCVAQPSSFLLNHTRQIGIFSARE
KRDVQPPASQHEGGGAEGLES LTWGVGLALAPALWWGVVCPSCSTRTRPLEQKLIS
EEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CD177 CD177 molecule [Homo sapiens (human)]

Official Symbol CD177

Synonyms 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;

Gene ID 57126

mRNA Refseq NM_020406

Protein Refseq NP_065139

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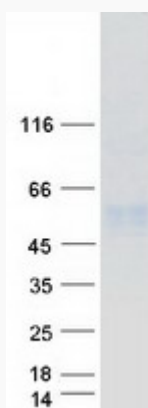
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MIM 162860

UniProt ID Q8N6Q3

SDS-PAGE



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