Recombinant Full Length Human CD177 Protein, GST-tagged

Cat. No. CD177-2990HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD177 full-length ORF (AAH29167.1, 1 a.a. - 437 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	437 amino acids
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. [provided by RefSeq, Apr 2014]
Molecular Mass	72.8 kDa
AA Sequence	MSPVLLLALLGFILPLPGVQALLCQFGTVQHVWKVSDLPRQWTPKNTSCDSGLGCQ DTLMLIESGPQVSLVLSKGCTEAKDQEPRVTEHRMGPGLSLISYTFVCRQEDFCNNL VNSLPLWAPQPPADPGSLRCPVCLSMEGCLEGTTEEICPKGTTHCYDGLLRLRGGG IFSNLRVQGCMPQPGCNLLNGTQEIGPVGMTENCNRKDFLTCHRGTTIMTHGNLAQ

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	EPTDWTTSNTEMCEVGQVCQETLLLLDVGLTSTLVGTKGCSTVGAQNSQKTTIHSA PPGVLVASYTHFCSSDLCNSASSSSVLLNSLPPQAAPVPGDRQCPTCVQPLGTCSS GSPRMTCPRGTTHCYDGYIHLSGGGLSTKMSIQGCVAQPSSFLLNHTRQIGIFSARE KRDVQPPASQHEGGGAEGLESLTWGVGLALAPALWWGVVCPSC
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CD177 CD177 molecule [Homo sapiens]
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
MIM	162860

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UniProt ID	Q8N6Q3

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