

Recombinant Human CD177 Protein, GST-Tagged

Cat. No. CD177-0730H **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	Wheat Germ
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 IFSNLRVQGCMPPQPGCNLLNGTQEIGPVGMTENCNRKDFLTCHRGTTIMTHGNLAQ EPTDWTTSENTEMCEVGQVCQETLLLLDVGLTSTLVGTKGCSTVGAQNSQKTTIHS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PPGVLVASYTHFCSSDLCNSASSSSVLLNSLPPQAAPVPGDRQCPTCVQPLGTCSS
GSPRMTCPRGTTTHCYDGYIHLSGGGLSTKMSIQGCVAQPSSFLLNHTRQIGIFSARE
KRDVQPPASQHEGGGAEGLES LTWGVGLALAPALWWGVVCPSC

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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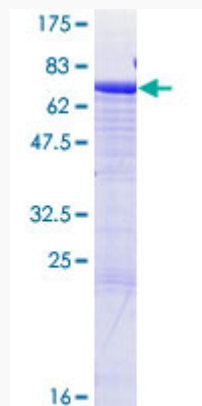
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UniProt ID

Q8N6Q3

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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