

Recombinant Human CD177 Protein, GST-Tagged

Cat. No. CD177-0730H Lot. No. (See product label)

SPECIFICATION

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| 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 | <p>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]</p> |
| Molecular Mass | 72.8 kDa |
| AA Sequence | <p>MSPVLLLALLGFILPLPGVQALLCQFGTVQHVVWVSDLPRQWTPKNTSCDSGLGCQ DTLMLIESGPQVSLVLSKGCTEAKDQEPRVTEHRMGPGLSLISYTFVCRQEDFCNNL VNSLPLWAPQPPADPGSLRCPVCLSMEGCLEGTTEEICPKGTTHCYDGLLRLRGGG IFSNLRVQGCMPPQPGCNLLNGTQEIGPVGMTENCNRKDFLTCHRGTTIMTHGNLAQ EPTDWTTSNTEMCEVGQVCQETLLLLDVGLTSTLVGKGCSTVGAQNSQKTTIHS</p> |

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PPGVLVASYTHFCSSDLCNSASSSSVLLNSLPPQAAPVPGDRQCPTCVQPLGTCSS
 GSPRMT CPRGTTHCYDGYIHLSSGGLSTKMSIQGCVAQPSSFLLNHTRQIGIFSARE
 KRDVQPPASQHEGGGAEGLES LTWGVGLALAPALWWGVVCPSC

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|-----------------------|---|
| 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

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|------------------------|--|
| 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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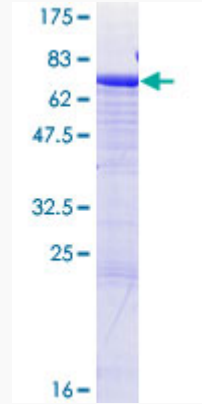
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UniProt ID

Q8N6Q3

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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