

## Product datasheet for **TP306463L**

### CD177 (NM\_020406) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human CD177 molecule (CD177), 1 mg                    |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC206463 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s) |

MSPVLLALLGFILPLPGVQALLCQFGTVQHVWKVSDLPRQWTPKNTSCDSGLGCQDTLMLIESGPQVSL  
VLSKGCTEAKDQEPRVTEHRMGPGLSLISYTFVCRQEDFCNNLVNSLPLWAPQPPADPGSLRCPVCLSM  
GCLEGTTEEICPKGTTHCYDGLLRGGGIFSNLRVQGCMPQPGCNLLNGTQEIGPVGMTENCNRKDFL  
CHRGTTIMTHGNLAQEPTDWTSNTEMCEVGQVCQETLLLLLDVGLTSTLVGTKGCSTVGAQNSQKTTIHS  
APPGVLVASYTHFCSSDLNSASSSSVLLNSLPPQAAPVPGDRQCPTCVQPLGTCSSGSPRMT CPRGTT  
CYDGYIHLSSGGGLSTKMSIQGCVAQPSSFLLNHTRQIGIFSAREKRDRVQPPASQHEGGGAEGLES  
LWTGWVGLALAPALWWGVVCPSC

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 46.2 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C.  |
| Stability:     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:        | <u><a href="#">NP_065139</a></u>   |



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Locus ID: 57126

UniProt ID: [Q8N6Q3](#), [A0A087WVM2](#)

RefSeq Size: 2238

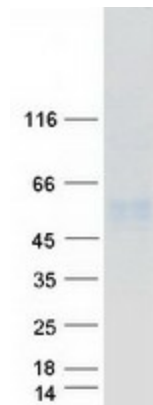
Cytogenetics: 19q13.31

RefSeq ORF: 1311

Synonyms: HNA-2a; HNA2A; NB1; NB1 GP; PRV-1; PRV1

**Summary:** 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]

### Product images:



Coomassie blue staining of purified CD177 protein (Cat# [TP306463]). The protein was produced from HEK293T cells transfected with CD177 cDNA clone (Cat# [RC206463]) using MegaTran 2.0 (Cat# [TT210002]).