

# Recombinant Full Length Human ITGB2 Protein

**Cat. No.** ITGB2-280HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant fragment of Human CD18 protein with an N terminal proprietary tag; predicted mwt: 36.63 kDa inclusive of tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 100 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | <p>The product of this gene belongs to the integrin beta chain family of proteins. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. This gene encodes the integrin beta chain beta 2. A given chain may combine with multiple partners resulting in different integrins. For example, beta 2 combines with the alpha L chain to form the integrin LFA-1, and combines with the alpha M chain to form the integrin Mac-1. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Defects in this gene are the cause of leukocyte adhesion deficiency type I (LAD1). Two transcript variants encoding the same protein have been identified for this gene.</p> |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 36.630kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | VCECHSGYQLPLCQECPCGSPCGKYISCAECLKFEKGPFGKNCSAACPGQLQSN<br>NPVKGRTCKERDSEGCWVAYTLEQQDGMdryLIYVDESRECVAGP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|                       |                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Proprietary Purification                                                                           |
| <b>Storage</b>        | Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles. |
| <b>Storage Buffer</b> | pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.                                          |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ITGB2 integrin, beta 2 (complement component 3 receptor 3 and 4 subunit) [ Homo sapiens ]                                                                                                                                                         |
| <b>Official Symbol</b> | ITGB2                                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | ITGB2; integrin, beta 2 (complement component 3 receptor 3 and 4 subunit); CD18, integrin, beta 2 (antigen CD18 (p95), lymphocyte function associated antigen 1; macrophage antigen 1 (mac 1) beta subunit) , MFI7; integrin beta-2; LFA 1; MAC 1 |
| <b>Gene ID</b>         | 3689                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>     | NM_000211                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_000202                                                                                                                                                                                                                                         |
| <b>MIM</b>             | 600065                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>      | P05107                                                                                                                                                                                                                                            |

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