

## Specifications:

Gene:	<i>h</i> ITGB2
Accession:	NP_000202
Insert size:	2323bp
Concentration:	10 $\mu$ g at 0.2 $\mu$ g/ $\mu$ l

## *h*Integrin $\beta$ 2 cDNA Plasmid

**ITGB2 integrin, beta 2  
(complement component 3  
receptor 3 and 4 subunit)  
[ *Homo sapiens* ]**

**Also known as:** LAD; CD18; MF17;  
MF17; LCAMB; LFA-1; MAC-1

### Summary:

Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. They are known to participate in cell adhesion as well as cell-surface mediated signalling. ITGB2 belongs to the integrin beta chain family of proteins. It 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. Defects in ITGB2 are the cause of leukocyte adhesion deficiency type I (LAD1).

## Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

## Preparation and Storage

**Shipping** cDNA is provided in 10 mM Tris-Cl, pH 8.5. It normally ships at ambient temperature.

**Stability & Storage** 1 year upon receipt when stored at -20 to -80° C  
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



