

---

## Product Data Sheet

---

Product Name: Platelet Membrane Glycoprotein IIb Peptide (296-306)

Cat. No.: GP10089

### Chemical Properties

Cas. No.

SMILES N[C@@H]([C@H](C)O)C(N[C@@H](CC(O)=O)C(N[C@@H](C(C)C)C(N[C@@H](CC(N)=O)C(NCC(N[C@@H](CC(O)=O)C(NCC(N[C@@H](CCCNC(N)=N)C(N[C@@H](CC1=CNC=N1)C(N[C@@H](CC(O)=O)C(N[C@@H](CC(C)C)C(O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O

Formula C<sub>47</sub>H<sub>75</sub>N<sub>17</sub>O<sub>20</sub>

M.Wt 1198.2

Solubility ≥ 119.8mg/mL in DMSO

Storage Store at -20°C

General tips

For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

Human alloantisera specific for either the Bak' or Bakb allele have been shown to react exclusively with the heavy chain of membrane glycoprotein (GP) IIb.

GP IIb is composed of a 125 Kd heavy chain that is disulfide-linked to a 23 Kd light chain. Hydrophobicity analysis of the cDNA sequence indicates that GP IIb is anchored to the platelet through a single transmembrane domain located within 20 amino acids of the C-terminus of the light chain.

The GP IIb-IIIa complex is a Ca<sup>2+</sup>-dependent heterodimer that, on activated platelets, can bind one of the four different adhesive proteins. (i.e. fibrinogen, fibronectin, von Willebrand factor, or vitronectin ).

References:

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

---

## Product Data Sheet

---

1. Bray PF, Rosa J-P, Lingappa VR, Kan YW, McEver RP, Shuman MA: Biogenesis of the platelet receptor for fibrinogen: Evidence for separate precursors for glycoproteins IIb and IIIa. Proc Natl Acad Sci USA 83:1480,1986
2. Silver SM, McDonough MM, Vilaire G, Bennett JS: The in vitro synthesis of polypeptides for the platelet membrane glycoproteins IIb and IIIa. Blood 69:1031, 1987.
3. Phillips DR, Charo IF, Parise LV, Fitzgerald LA : The platelet membrane glycoproteins IIb-IIIa co,plex. Blood 71:831-843, 1988

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**