

Recombinant Mouse Itga2b Protein, Myc/DDK-tagged

Cat. No. Itga2b-3593M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length integrin alpha 2b (Itga2b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. It recognizes the sequence R-G-D in a wide array of ligands. It recognizes the sequence H-H-L-G-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin alpha-IIb/beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial cell surface.
Molecular Mass	112.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Itga2b integrin alpha 2b \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Itga2b](#)

Synonyms ITGA2B; integrin alpha 2b; integrin alpha-IIb; GP IIb; alpha IIb; GPalpha IIb; platelet membrane glycoprotein IIb; platelet glycoprotein IIb of IIb/II Ia complex; CD41; CD41B; GpIIb; A1172977; alphaIIb

Gene ID [16399](#)

mRNA Refseq [NM_010575](#)

Protein Refseq [NP_034705](#)

UniProt ID [Q9QUM0](#)

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