

## Recombinant Human ITGA2B protein, His & T7-tagged

Cat. No. ITGA2B-5758H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ITGA2B aa. (Gln891~Glu1039 (Accession # P08514)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gln891~Glu1039
<b>Description</b>	This gene encodes a member of the integrin alpha chain family of proteins. The encoded preproprotein is proteolytically processed to generate light and heavy chains that associate through disulfide linkages to form a subunit of the alpha-IIb/beta-3 integrin cell adhesion receptor. This receptor plays a crucial role in the blood coagulation system, by mediating platelet aggregation. Mutations in this gene are associated with platelet-type bleeding disorders, which are characterized by a failure of platelet aggregation, including Glanzmann thrombasthenia.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 20.8kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%

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<b>Characteristic</b>	The isoelectric point is 5.9.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	ITGA2B integrin subunit alpha 2b [ Homo sapiens (human) ]
<b>Official Symbol</b>	ITGA2B
<b>Synonyms</b>	ITGA2B; integrin subunit alpha 2b; GT; GTA; CD41; GP2B; HPA3; CD41B; GPIIb; BDPLT2; BDPLT16; PPP1R93; integrin alpha-IIb; GPalpha IIb; alphallb protein; integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41); platelet fibrinogen receptor, alpha subunit; platelet glycoprotein IIb of IIb/IIIa complex; platelet membrane glycoprotein IIb; platelet-specific antigen BAK; protein phosphatase 1, regulatory subunit 93
<b>Gene ID</b>	3674

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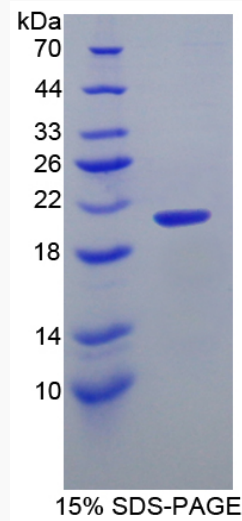
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mRNA Refseq [NM\\_000419.4](#)

Protein Refseq [NP\\_000410.2](#)

UniProt ID [P08514](#)

**SDS-PAGE**



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