

Recombinant Human ITGA2B protein, His & T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Human ITGA2B aa. (Gln891~Glu1039 (Accession # P08514)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln891~Glu1039
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.8kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	ITGA2B integrin subunit alpha 2b [Homo sapiens (human)]
Official Symbol	ITGA2B
Synonyms	ITGA2B; integrin subunit alpha 2b; GT; GTA; CD41; GP2B; HPA3; CD41B; GPIIb; BDPLT2; BDPLT16; PPP1R93; integrin alpha-IIb; GPalpha IIb; alphaIIb 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
Gene ID	3674

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mRNA Refseq	NM_000419.4
Protein Refseq	NP_000410.2
UniProt ID	P08514

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