

Recombinant Human ITGA2B Protein (639-887 aa), His-tagged

Cat. No. ITGA2B-1425H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA2B Protein (639-887 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cardiovascular. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	639-887 aa
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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	29.0 kDa
AA Sequence	CVPQLQLTASVTGSPLLVGADNVLELQMDAANE GEGAYEAE LAVHLPQGAHYMRAL SNVEGFERLICNQQKENETRVVLC ELGNPMKKNAQIGIAMLVSVGNLEEAGESVSFQ LQIRSKNSQNPNSKIVLLDVPVRAEAQVELRGNSFPASLVVAEEGEREQNSLDSW GPKVEHTYELHNNPGPTVNGLHLSIHLPGQSQPSDLLYILDIQPQGGGLQCFPPVN

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PLKVDWGLPIPSPSPIHPAHHKR

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [ITGA2B integrin, alpha 2b \(platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41\)](#)
[[Homo sapiens](#)]

Official Symbol [ITGA2B](#)

Synonyms [ITGA2B](#); [CD41](#); [CD41B](#); [GPalpha IIb](#); [GT](#); [GTA](#); [GP2B](#); [HPA3](#); [GPIIb](#); [BDPLT2](#);

Gene ID [3674](#)

mRNA Refseq [NM_000419](#)

Protein Refseq [NP_000410](#)

MIM [607759](#)

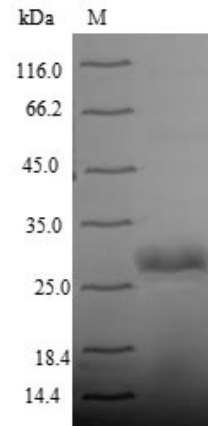
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UniProt ID

P08514



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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