

Recombinant Full Length Human ITGA2B Protein, C-Flag-tagged

Cat. No. ITGA2B-1152HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ITGA2B Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	110 kDa
AA Sequence	MARALCPLQALWLEWVLLLLGPCAAPPAWALNLDPVQLTFYAGPNGSQFGFSLDF HKDSHGRVAIVVGA PRTLGPSQEETGGVFLCPWRAEGGQCPSLLFDLRDETRNVG SQTQTQTFKARQGLGASVVSWSVDVIVACAP WQHWNVLEKTEEAETKTPVGSCLAQF ESGRRAEYSPCRGNTLSRIYVENDFSWDKRYCEAGFSSVVTQAG ELVLGAPGGYY FLGLLAQAPVADIFSSYRPGILLWHVSSQSLSFSSNPEYFDGYWGYSAVAGEFDG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DLN TTEYVVGAPTWSWTLGAVEILDSYYQRLHRLRGEQMASYFGHSAVTDVNGD
 GRHDLLVGAPLYMESRAD RKLAEVGRVYLFLQPRGPHALGAPSLLLTGTQLYGRFG
 SAIAPLGDLDRDGYNDIAVAAPYGGPSGRGQV LVFLGQSEGLRSRPSQVLDSPFPT
 GSAFGFSLRGAVDIDDNGYPDLIVGAYGANQVAVYRAQPVVKASVQ LLVQDSL NPA
 VKSCVLPQTKTPVSCFNIQMCVGATGHNIPQKLSLNAELQLDRQKPRQGRRVLLLG
 SQQA GTTLNLDLGGKHSPICHTTMAFLRDEADFRDKLSPIVLSLNVS LPPTEAGMAP
 AVVLHGDTHVQE QTRIV LDCGEDDVCVPQLQLTASVTGSPLLVGADNVLELQMDAA
 NEGEGAYEAELAVHLPQGAHYMRALSNVEGF ERLICNQKKENETRVVLCELGNPM
 KKNAQIGIAMLVSVGNLEEAGESVSFQLQIRSKNSQNPNSKIVLLD VPVRAEAQVEL
 RGNSFPASLVVAAEEGEREQNSLDSWGPKEHTYELHNNPGTVNGLHLSIHLPG
 QSQP SDLLYILDIQPQGGGLQCFPPQPPVNPLKVDWGLPIPSPSPIHPAHHKRDRRQIF
 LPEPEQPSRLQDPVLVS CDSAPCTVVQCDLQEMARGQRAMVTVLAFLWLPSLYQR
 PLDQFVLQSHAWFNVSSLPYAVPPLSLPRGEA
 QVWTQLLRALEERAIPWWVLVGVLGGLLLL TILVLAMWKVGFFKRNRPPEEDDEE
 GETRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), Pathways in cancer, Regulation of actin cytoskeleton, Small cell lung cancer

Full Length Full L.

GENE INFORMATION

Gene Name [ITGA2B integrin subunit alpha 2b \[Homo sapiens \(human\) \]](#)

Official Symbol [ITGA2B](#)

Synonyms GT; GT1; GTA; CD41; GP2B; HPA3; CD41B; GPIIb; BDPLT2; BDPLT16; PPP1R93

Gene ID [3674](#)

mRNA Refseq [NM_000419.5](#)

Protein Refseq [NP_000410.2](#)

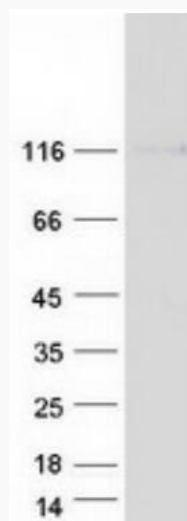
MIM [607759](#)

UniProt ID [P08514](#)

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Coomassie blue staining of purified ITGA2B protein.

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