

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	MARALCPLQALWLLEWVLLLLGPCAAPPAWALNLDPVQLTFYAGPNGSQFGFSLDF HKDSHGRVAIVVGA PRTLGPSQEETGGVFLCPWRAEGGQCPSLLFDLRDETRNVG SQTQTFFKARQGLGASVVSWSVDVIVACAP WQHWNVLEKTEEAETKTPVGSFLAQP ESGRRAEYSPCRGNTLSRIYVENDFSWDKRYCEAGFSSVVTQAG ELVLGAPGGYY FLGLLAQAPVADIFSSYRPGILLWHVSSQSLSFDSSNPEYFDGYWGYSAVAVGDFD

 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 TTEYVVGAPTWSWTLGAVEILDSYYQRLHRLRGEQMASYFGHSAVAVTDVNGD
 GRHDLLVGAPLYMESRAD RKLAEVGRVYLFLQPRGPHALGAPSLLLTGTQLYGRFG
 SAIAPLGLDRDGYNDIAVAAPYGGPSGRGQV LVFLGQSEGLRSRPSQVLDSPFPT
 GSAFGFSLRGAVDIDDNGYPDLIVGAYGANQVAVYRAQPVVKASVQ LLVQDSLNPA
 VKSCVLPQTKTPVSCFNIQMCVGATGHNIPQKLSLNAELQLDRQKPRQGRRVLLLG
 SQQA GTTLNLDLGGKHSPICHTTMAFLRDEADFRDKLSPIVLSLNVSLPPTTEAGMAP
 AVVLHGDTHVQEQRIV LDCGEDDVCVPQLQLTASVTGSPLLVGADNVLELQMDAA
 NEGEGAYEAELAVHLPQGAHYMRALSNEVEGF ERLICNQKKNENETRVVLCELGNPM
 KKNAQIGIAMLVSVGNLEEAGESVSFQLQIRSKNSQNPNSKIVLLD VPVRAEAQVEL
 RGNSFPASLVAAEEGEREQNSLDSWGPKEHTYELHNNPGTVNGLHLSIHLPG
 QSQP SDLLYILDIQPQGGGLQCFPPVNPLKVDWGLPIPSPIHPAHHKRDRRQIF
 LPEPEQPSRLQDPVLVS CDSAPCTVVQCQLQEMARGQRAMVTVLAFLWLPSLYQR
 PLDQFVLQSHAWFNVSSLPYAVPPLSLPRGEA
 QVWTQLLRALEERAIPWWVLVGVLGGLLLLTLVLAMWKVGVFFKRNRPPLEEDDEE
 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

 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

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](#)

 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