

Recombinant Human ITGA2B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ITGA2B-1586H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ITGA2B MS Standard C13 and N15-labeled recombinant protein (NP_000410) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	113.4 kDa
AA Sequence	MARALCPLQALWLEWVLLLLGPCAAPPAWALNLDPVQLTFYAGPNGSQFGFSLDF HKDSHGRVAIVVGAPRTLGPSQEETGGVFLCPWRAEGGQCPSLLFDLRDETRNVG SQTQTQFKARQGLGASVVSWSVDVIVACAPWQHWNVLEKTEEAETKTPVGCFLAQP ESGRRAEYSPCRGNTLSRIYVENDFSWDKRYCEAGFSSVVTQAGELVLGAPGGYY FLGLLAQAPVADIFSSYRPGILLWHVSSQSLSFDSSNPEYFDGYWGYSAVGEFDG DLNTEYVVGAPTWSWTLGAVEILDSYYQRLHRLRGEQMASYFGHSAVTDVNGD

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GRHDLLVGAPLYMESRADRKLAEVGRVYLFLQPRGPHALGAPSLLLTGTQLYGRFG
 SAIAPLGDLDRDGYNDIAVAAPYGGPSGRGQVLVFLGQSEGLRSRPSQVLDSPFPT
 GSAFGFSLRGAVDIDDNGYPDLIVGAYGANQVAVYRAQPVVKASVQLLVQDSLNP
 VKSCVLPQTKTPVSCFNIQMCVGATGHNIPQKLSLNAELQLDRQKPRQGRRVLLG
 SQQAGTTLNLDLGGKHSPICHTTMAFLRDEADFRDKLSPIVLSLNVSLPPTTEAGMAP
 AVVLHGDTHVQEQTTRIVLDCGEDDVCVPQLQLTASVTGSPLLVGADNVLELQMDAA
 NEGEGAYEAELAVHLPQGAHYMRALSNVEGFERLICNQQKENETRVVLCELGNPMK
 KNAQIGIAMLVSVGNLEEAGESVSFQLQIRSKNSQNPNSKIVLLDVPVRAEAQVELR
 GNSFPASLVVAAEEGEREQNSLDSWGPKEHTYELHNNPGPTVNGLHLSIHLPGQS
 QPSDLLYILDIQPQGGQLQCFPPPPVNPVKVDWGLPIPSPSPIHPAHHKRDRRQIFLPE
 PEQPSRLQDPVLVSCDSAPCTVVQCDLQEMARGQRAMVTVLAFLWLPSLYQRPLD
 QFVLQSHAWFNVSSLPYAVPPLSLPRGEAQVWTQLLRALERAIPWWVLVGVVGG
 LLLLTLVLAMWKVGFFKRNRPPEEDDEEGETRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Stability

Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage

Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration

50 µg/mL as determined by BCA

Storage Buffer

100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name

ITGA2B integrin subunit alpha 2b [Homo sapiens (human)]

Official Symbol

ITGA2B

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Synonyms	ITGA2B; integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41); GP2B, integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41B); integrin alpha-IIb; CD41; CD41B; GPalpha IIb; platelet-specific antigen BAK; platelet membrane glycoprotein IIb; platelet fibrinogen receptor, alpha subunit; GT; GTA; GP2B; HPA3; GPIIb; BDPLT2;
Gene ID	3674
mRNA Refseq	NM_000419
Protein Refseq	NP_000410
MIM	607759
UniProt ID	P08514
SDS-PAGE	