

## Product datasheet for TP322614L

### CD41 (ITGA2B) (NM\_000419) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41) (ITGA2B), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222614 protein sequence Red=Cloning site Green=Tags(s)

MARALCPLQALWLEWVLLLLGPCAAPPAAWALNLDPVQLTFYAGPNGSQFGFSLDFHKDSHGRVAIVGA  
PRTLGPSQEETGGVFLCPWRAEGGQCPSLLFDLRDETRNVGSQTLQTFKARQGLGASVWSWDVIVACAP  
WQHWNVLEKTEEAETKPVGSCFLAQPESGRRAEYSPCRGNTLSRIYVENDFSWDKRYCEAGFSSVVTQAG  
ELVLGAPGGYYFLGLLAQAPVADIFSSYRPGILLWHVSSQSLSFDSSNPEYFDGYWGYSVAVGEFDGDLN  
TTEYVVGAPTWSWTLGAVEILDSYYQRLHRLRGEQMASYFGHSVAVTDVNGDGRHDLLVGAPLYMESRAD  
RKLAEVGRVYLFQPRGPHALGAPSLLLTGTQLYGRFGSAIAPLGDLDRDGYNDIAVAAPYGGPSGRGQV  
LVFLGQSEGLRSRPSQVLDSFPPTGSAFGFSLRGAVDIDDNGYDPLIVGAYGANQVAVYRAQPVVKASVQ  
LLVQDSLNPVAVKSCVLPQTKTPVSCFNIQMCVGGATGHNIPQKLSLNAELQLDRQKPRQRRVLLLGSQQA  
GTTLNLDLGGKHSPICHTTMAFLRDEADFRDKLSPIVLSLNVSLPPTTEAGMAPAVLHGDTHVQEQRIV  
LDCGEDDVCVPQLQLTASVTGSPLLVGADNVLELQMDAANEGEGAYEALAVHLPQGAHYMRALS NVEGF  
ERLICNQKKNETRVLCELGNPMKKNQAIGIAMLVSVGNLEEAGESVSFQLQIRSKNSQNPNSKIVLLD  
VPVRAEAQVELRGNSFPASLVAAEEGEREQNSLDSWGPKVEHTYELHNNPGGTVNLHLSIHLPGQSQP  
SDLLYILDIQPQGLQCFPPVNPLKVDWGLPIPSPSPIHPAHHKRRRQIFLPEPEQPSRLQDPVLVS  
CDSAPCTVVQCDLQEMARGQRAMMTVLAFLWLPSTYQRPLDQFVLQSHAWFNVSLLPYAVPPLSLPRGEA  
QVWTQLLRALEERAIPWWWLVGLGGLLLLITLVLAMWVKVGFKRNRPLEEDDEEGE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

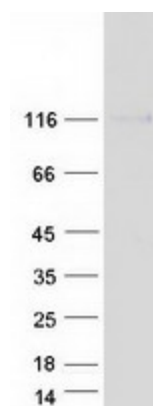
Tag:	C-Myc/DDK
Predicted MW:	110 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000410</a>
<b>Locus ID:</b>	3674
<b>UniProt ID:</b>	<a href="#">P08514</a>
<b>RefSeq Size:</b>	3334
<b>Cytogenetics:</b>	17q21.31
<b>RefSeq ORF:</b>	3117
<b>Synonyms:</b>	BDPLT2; BDPLT16; CD41; CD41B; GP2B; GPIIb; GT; GT1; GTA; HPA3; PPP1R93
<b>Summary:</b>	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. [provided by RefSeq, Jan 2016]
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
<b>Protein Pathways:</b>	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

### Product images:



Coomassie blue staining of purified ITGA2B protein (Cat# [TP322614]). The protein was produced from HEK293T cells transfected with ITGA2B cDNA clone (Cat# [RC222614]) using MegaTran 2.0 (Cat# [TT210002]).