

Integrin alpha-IIb Recombinant Protein | ITGA2B recombinant protein

Recombinant Human Integrin alpha-IIb

CATALOG # AAA113557	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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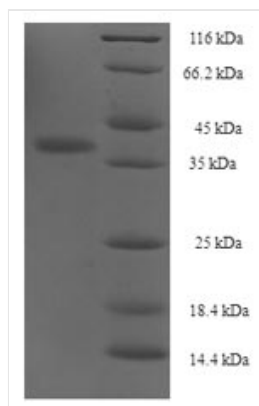
PRODUCT SYNONYMS

Integrin alpha-IIb; Recombinant Human Integrin alpha-IIb; GPalpha IIb; GPIIb; Platelet membrane glycoprotein IIb; CD41; ITGA2B recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	639-887aa; partial
Sequence	CVPQLQTAS VTGSPLLVA DNVLELQMDA ANEGEGAYEA ELAVHLPQGA HYMRALSNE GFERLICNQK KENETRVLVC ELGNPMKKNA QIGIAMLSV GNLEEAGESV SFQLQIRSKN SQNPNSKIVL LDVPVRAEQ VELRGNSFPA SLVAAEEGE REQNSLDSWG PKVEHTYELH NNGPGTVNGL HLSIHLPGQS QPSDLLYILD IQPQGGLQCF PQPPVNLKV DWGLPIPPSPS PIHPAHHKR
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ITGA2B recombinant protein	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-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.
Product Categories/Family for ITGA2B recombinant protein	Cardiovascular

Structure of the platelet membrane glycoprotein IIb. Homology to the alpha subunits of the vitronectin and fibronectin membrane receptors.Poncz M., Eisman R., Heidenreich R., Silver S.M., Vilaire G., Surrey S., Schwartz E., Bennett J.S.J. *Biol. Chem.* 262:8476-8482(1987) GPIIb and GPIIIa amino acid sequences deduced from human megakaryocyte cDNAs.Frchet P., Uzan G., Thevenon D., Denarier E., Prandini M.H., Marguerie G.*Mol. Biol. 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Chem.* 265:9587-9590(1990) cDNA clones for human platelet GPIIb corresponding to mRNA from megakaryocytes and HEL cells. Evidence for an extensive homology to other Arg-Gly-Asp adhesion receptors.Uzan G., Frchet P., Lajmanovich A., Prandini M.-H., Denarier E., Duperray A., Loftus J., Ginsberg M., Plow E., Marguerie G.*Eur. J. Biochem.* 171:87-93(1988) Platelet glycoprotein IIb. Chromosomal localization and tissue expression.Bray P.F., Rosa J.P., Johnston G.I., Shiu D.T., Cook R.G., Lau C., Kan Y.W., McEver R.P., Shuman M.A.J. *Clin. Invest.* 80:1812-1817(1987) Isolation of the human platelet glycoprotein IIb gene and characterization of the 5' flanking region.Prandini M.H., Denarier E., Frchet P., Uzan G., Marguerie G.*Biochem. Biophys. Res. Commun.* 156:595-601(1988) Platelet glycoproteins IIb and IIIa evidence for a family of immunologically and structurally related glycoproteins in mammalian cells.Charo I.F., Fitzgerald L.A., Steiner B., Rall S.C., Bekeart L.S., Phillips D.R.*Proc. 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Commun.* 369:1088-1093(2008) Solution structures of Ca2+-CIB1 and Mn2+-CIB1 and their interactions with the platelet

NCBI AND UNIPROT INFORMATION

NCBI GI #	88758615
NCBI GeneID	3674
NCBI Accession #	NP_000410.2
NCBI GenBank Nucleotide #	NM_000419.4
UniProt Accession #	P08514; O95366; Q14443; Q17R67; B2RCY8
Molecular Weight	29 kDa
NCBI Official Full Name	integrin alpha-IIb preproprotein
NCBI Official Synonym Full Names	integrin subunit alpha 2b
NCBI Official Symbol	ITGA2B
NCBI Official Synonym Symbols	GT; GTA; CD41; GP2B; HPA3; CD41B; GPIIb; BDPLT2; BDPLT16; PPP1R93
NCBI Protein Information	integrin alpha-IIb
UniProt Protein Name	Integrin alpha-IIb
UniProt Gene Name	ITGA2B
UniProt Synonym Gene Names	GP2B; ITGAB; GPIIb
UniProt Entry Name	ITA2B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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