

Recombinant Homo sapiens Integrin alpha-IIb

Catalog No: #AP72628



Package Size: #AP72628-1 20ug #AP72628-2 100ug #AP72628-3 1mg

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Description

Product Name	Recombinant Homo sapiens Integrin alpha-IIb
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:639-887aaSequence Info:Partial
Other Names	GPalpha IIb ;GPIIbPlatelet membrane glycoprotein IIb; CD41
Accession No.	P08514
Uniprot	P08514
GeneID	3674;
Calculated MW	29 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	CVPQLQLTASVTGSPLLVGADNVLELQMDAANEGEGAYEAE LAVHLPQGAHYMRALSNVEGFERLICNQKKE NETRVVLCELGNPMKKNQIQIGIAMLVSVGNLEEAGESVSFQLQIRSKNSQNPNSKIVLLDVPVRAEAQVELRG NSFPASLVVAAEEGEREQNSLDSWGPKVEHTYELHNNPGTVNGLHLSIHLPGQSQPSDLLYILDIQPQGGLO CFPQPPVNPLKVDWGLPIPSPSPIHPAHHKR
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

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)Research
Topic:Cardiovascular

Note: This product is for in vitro research use only