Recombinant Human Integrin alpha-2(ITGA2) ,partial

Catalog No: #AP73802

Package Size: #AP73802-1 10ug #AP73802-2 50ug #AP73802-3 100ug #AP73802-4 200ug #AP73802-5 500ug #AP73802-6 1mg

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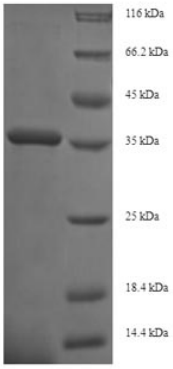
Description

Product Name	Recombinant Human Integrin alpha-2(ITGA2) ,partial
Brief Description	Recombinant Protein
Host Species	E.coli
Target Name	ITGA2
Other Names	CD49 antigen-like family member B Collagen receptor Platelet membrane glycoprotein Ia Short name: GPIa VLA-2 subunit alpha CD_antigen: CD49b
Accession No.	Uniprot ID: P17301
Target Species	Hu
SDS-PAGE MW	35.63kDa
Target Length	Partial,188-365aa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	WDAVKNFLEKFVQGLDIGPTKTQVGLIQYANNPRVVFNLNTYKTKEEMIVATSQTSQYGGDLTNTFGAIQYAR KYAYSAASGGRRSATKVMVVVTDGESHDGSMLKAVIDQCNHDNILRFGIAVLGYLNRNALDTKNLIKEIKAIASI PTERYFFNVSDEAALLEKAGTLGEQIFSIE
Formulation	Tris-based buffer,50% 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.

Application Details

Greater than 90% as determined by SDS-PAGE.

Images



Background

Integrin alpha-2/beta-1 is a receptor for laminin, collagen, collagen C-propeptides, fibronectin and E-cadherin. It recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen. It is responsible for adhesion of platelets and other cells to collagens, modulation of collagen and collagenase gene expression, force generation and organization of newly synthesized Extracellular domain matrix.

References

"The primary structure of the VLA-2/collagen receptor alpha 2 subunit (platelet GPIa): homology to other integrins and the presence of a possible collagen-binding domain."Takada Y., Hemler M.E.J. Cell Biol. 109:397-407(1989)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.