

Recombinant Human ITGA2 protein, His & S-tagged

Cat. No. ITGA2-5836H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGA2 aa. (Pro170~Ile361 (Accession # P17301)) fused with N-terminal His & S tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro170~Ile361
Description	This gene encodes the alpha subunit of a transmembrane receptor for collagens and related proteins. The encoded protein forms a heterodimer with a beta subunit and mediates the adhesion of platelets and other cell types to the extracellular matrix. Loss of the encoded protein is associated with bleeding disorder platelet-type 9. Antibodies against this protein are found in several immune disorders, including neonatal alloimmune thrombocytopenia. This gene is located adjacent to a related alpha subunit gene. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.8kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Characteristic	The isoelectric point is 5.7.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	ITGA2 integrin subunit alpha 2 [Homo sapiens (human)]
Official Symbol	ITGA2
Synonyms	BR; GPIa; CD49B; HPA-5; VLA-2; VLAA2; CD49 antigen-like family member B; alpha 2 subunit of VLA-2 receptor; collagen receptor; human platelet alloantigen system 5; integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor); platelet antigen Br; platelet glycoprotein GPIa; platelet membrane glycoprotein Ia; very late activation protein 2 receptor, alpha-2 subunit; integrin alpha-2
Gene ID	3673
mRNA Refseq	NM_002203.3

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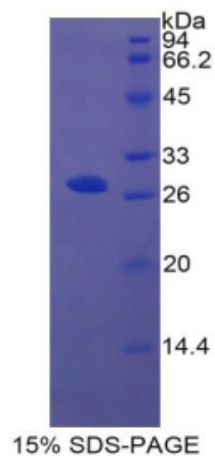
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Protein Refseq NP_002194.2

UniProt ID P17301

SDS-PAGE



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