

Recombinant Human ITGA1

Cat. No. ITGA1-29494TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Integrin alpha 1 with proprietary tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	109 amino acids
Description	This gene encodes the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to be involved in collagen binding.
Molecular Weight	37.620kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 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

Sequences of amino acids QFYSSASEYHISIAANETVPEVINSTEDIGNEINIFYLIRKSGSFPMPELKLSISFPNMTS
NGYPVLYPTGLSSSENANCRPHIFEDPFSINSGKKMTTSTDHLKRGTI

Sequence Similarities Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats. Contains 1 VWFA domain.

GENE INFORMATION

Gene Name [ITGA1 integrin, alpha 1 \[Homo sapiens \]](#)

Official Symbol [ITGA1](#)

Synonyms [ITGA1](#); [integrin, alpha 1](#); [integrin alpha-1](#); [CD49a](#); [VLA1](#);

Gene ID [3672](#)

mRNA Refseq [NM_181501](#)

Protein Refseq [NP_852478](#)

MIM [192968](#)

Uniprot ID [P56199](#)

Chromosome Location 5q11.1

Pathway Arf6 trafficking events, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Axon guidance, organism-specific biosystem; CHL1 interactions, organism-specific biosystem;

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Function

collagen binding; integrin binding; protein binding; protein heterodimerization activity; receptor activity;

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