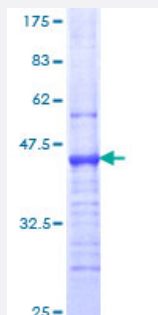


ITGA1 (Human) Recombinant Protein (Q01)

Catalog # H00003672-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ITGA1 partial ORF (ENSP00000282588, 951 a.a. - 1059 a.a.) recombinant protein with GS T-tag at N-terminal.
Sequence	QFYSSASEYHISIAANETVPEVINSTEDIGNEINIFYLIRKSGSFPMPELKLSISFPNMTSNGYPVLYPT GLSSSENANCRPHIFEDPFSINSGKKMTTSTDHLKRGTI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ITGA1

Entrez GeneID	3672
GeneBank Accession#	NM_181501
Protein Accession#	ENSP00000282588
Gene Name	ITGA1
Gene Alias	CD49a, VLA1
Gene Description	integrin, alpha 1
Omim ID	192968
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	laminin and collagen receptor very late activation protein 1

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Hematopoietic cell lineage](#)

- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Osteoporosis](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tourette Syndrome](#)