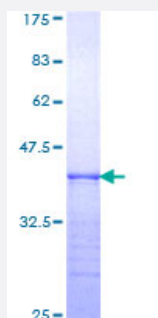


ITGA6 (Human) Recombinant Protein (Q01)

Catalog # H00003655-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ITGA6 partial ORF (NP_000201, 24 a.a. - 133 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FNLDTREDNVIRKYGDPSLFGFSLAMHWQLQPEDKRLLLVGAPRAEALPLQRANRTGGLYSCDI TARGPCTRIEFDNDADPTSESKEDQWMGVTVQSQGPGGKVVTCAH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
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 — ITGA6

Entrez GeneID [3655](#)

GeneBank Accession# [NM_000210](#)

Protein Accession# [NP_000201](#)

Gene Name ITGA6

Gene Alias CD49f, DKFZp686J01244, FLJ18737, ITGA6B, VLA-6

Gene Description integrin, alpha 6

Omim ID [147556 226730](#)

Gene Ontology [Hyperlink](#)

Gene Summary The ITGA6 protein product is the integrin alpha chain alpha 6. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, alpha 6 may combine with beta 4 in the integrin referred to as TSP180, or with beta 1 in the integrin VLA-6. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations integrin alpha chain, alpha 6|integrin alpha6B

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [ECM-receptor interaction](#)

- [Focal adhesion](#)
- [Hematopoietic cell lineage](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Small cell lung cancer](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Coronary Artery Disease](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)
- [Prostatic Neoplasms](#)