

Proteoliposomes

Full-Length

ITGA4 (Human) Recombinant Protein

Catalog # H00003676-G01

Size 10 ug

Specification

Product Description

Human ITGA4 full-length ORF (AAI56713.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MAWEARREPGPRRAAVRETVMALLCLGVPTGRPYNVDTESALLYQGPHNTLFGYSVVLHSHGAN
RWLLVGAPTANWLANASVINPGAIYRCRIGNPGQTCEQLQLGSPNGEPCGKTCLEERDNQWL
VTLRQPGENGSI/TCGHRWKNIFYIKNENKLPTGGCYGVPPDLRTELSKRIAPCYQDYVKKFGEN
FASCQAGISSFYTKDLIMMGAPGSSYWTGSLFVYNITTNKYKAFLDKQNQVKFGSYLGYSVGAGHF
RSQHTTEVVGGAPQHEQIGKAYIFSIDEKELNILHEMKGKKLGSYFGASVCAVDLNADGFSDLLVG
APMQSTIREEGRVFVYINSGSGAVMNAMEETNLVGSDKYAARFGESVNLGDIDNDGFEDVAIGAPQ
EDDLQGAMYNGRADGISTFSQRIEGLQISKSLSMFGQSISGQIDADNNGYVDVAVGAFRSDSAV
LLRTRPVVVDASLSHPESVNRKFDCEVNGWPSVCIDLTLCSYKGEVPGYVLFYNMSLDVNR
KAESPFRFYSSNGTSDVITGSIQVSSREANCRTHQAFMRKDVRDILTPIQIEAAYHLGPHVISKRST
EEFPPLQPILQQKKEKDIMKKTINFARCAHENC SADLQVSAKIGFLKPHENKTYLAVGSMKTLML
NVSLFNAGDDAYETTLHVKLPGVLYFIKILEEEKQINCEVTDNSGVVQLDCSIGYYVDHLSTRIDISF
LLDVSSLSRAEEDLSITVHATCENEEEMDNLKHSRVTVAIPLKYEKLVHGVFNPTSFVYGSNDE
NEPETCMVEKMNLTFHVINTGNSMAPNVSVIEMVNSFSFQTDKLFNILDVQTTTGECHFENYQR
VCALEQQKSAMQTLKGVRFLSKTDKRLLYCIKADPHCLNFCNFGKMESGKEASVHIQLEGRPSI
LEMDETSALKFEIRATGFPEPNRVIENKDENVAVHVLLEGLHHQRPKRYFTVISSSLLLGLVLLLI
SYVMWKAGFFKRQYKSILQEENRRDSWSYNSKSNDD

Host Wheat Germ (in vitro)

Theoretical MW (kDa) 113.52

Interspecies Antigen Sequence Mouse (85); Rat (84)

Form Liquid

Preparation Method [in vitro wheat germ expression system with proprietary liposome technology](#)

Purification None

Recommend Usage Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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

- Antibody Production

Gene Info — ITGA4

Entrez GeneID [3676](#)

GeneBank Accession# [BC156712.1](#)

Protein Accession# [AAI56713.1](#)

Gene Name ITGA4

Gene Alias CD49D, IA4, MGC90518

Gene Description integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)

Omim ID [192975](#)

Gene Ontology [Hyperlink](#)

Gene Summary The product of this gene belongs to the integrin alpha chain family of proteins. Integrins are hetero dimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes an alpha 4 chain. Unlike other integrin alpha chains, alpha 4 neither contains an I-domain, nor undergoes disulfide-linked cleavage. Alpha 4 chain associates with either beta 1 chain or beta 7 chain. [provided by RefSeq]

Other Designations 269C wild type|antigen CD49D, alpha-4 subunit of VLA-4 receptor|integrin alpha 4|integrin alpha-4 subunit|very late activation protein 4 receptor, alpha 4 subunit

Publication Reference

- [Complementarity determining regions and frameworks contribute to the disulfide bond independent folding of intrinsically stable scFv.](#)

Gąciarz A, Ruddock LW.

PLoS One 2017 Dec; 12(12):e0189964.

Application: Dot, Recombinant protein

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Hematopoietic cell lineage](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Leukocyte transendothelial migration](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Multiple Sclerosis](#)
- [Neurogenic Inflammation](#)
- [Tobacco Use Disorder](#)