

Recombinant Human ITGA4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ITGA4-3169H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ITGA4 MS Standard C13 and N15-labeled recombinant protein (NP_000876) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The gene encodes a member of the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 4 subunit. This subunit associates with a beta 1 or beta 7 subunit to form an integrin that may play a role in cell motility and migration. This integrin is a therapeutic target for the treatment of multiple sclerosis, Crohn's disease and inflammatory bowel disease. Alternative splicing results in multiple transcript variants.
Molecular Mass	114.87 kDa
AA Sequence	MAWEARREPGPRRAAVRETVMALLCLGVPTGRPYNVDTESALLYQGPHNTLFGYS VVLHSHGANRWLLVGAPTANWLANASVINPGAIYRCRIGKNPGQTCEQLQLGSPNG EPCGKTCLEERDNQWLGVTLRQPGENGSIIVTCGHRWKNIFYIKNENKLPTGGCYG VPPDLRTELSKRIAPCYQDYVKKFGENFASCQAGISSFYTKDLIVMGAPGSSYWTGS LFVYNITTNKYKAFLDKQNQVKFGSYLGYSVGAGHFRSQHTTEVVGGAPQHEQIGK

 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

AYIFSIDEKELNILHEMKGKKLGSYFGASVCAVDLNADGFSDLLVGAPMQSTIREEGR
VFVYINSGSGAVMNMAMETNLVGSDKYAARFGESIVNLGDIDNDGFEDVAIGAPQEDD
LQGAIIYNGRADGISSTFSQRIEGLQISKSLSMFGQSISGQIDADNNGYVDVAVGAF
RSDSAVLLRTRPVVIVDASLSHPESVNRTKFDCVENGWPSVCIDLTLCSYKGKEVP
GYIVLFYNMSLDVNRKAESPFRFYSSNGTSDVITGSIQVSSREANCRTHQAFMRKD
VRDILTPIQIEAAYHLGPHVISKRSTEEFPPLQPILQQKKEKDIMKKTINFARFCAHENC
SADLQVSAKIGFLKPHENKTYLAVGSMKTLMLNVSLFNAGDDAYETTLHVKLPGVGLY
FIKILEEEKQINCEVTDNSGVVQLDCSIGIYVDHLSRIDISFLLDVSSLSRAEEDLSIT
VHATCENEEEMDNLKHSRVTVAIPLKYEKLTVHGFVNPTSFVYGSNDENEPETCM
VEKMNLTFHVINTGNSMAPNVSVIEMVPNSFSPQTDKLFNILDVQTTTGECHFENYQ
RVCALEQQKSAMQTLKGIVQFLSKTDKRLLYCIKADPHCLNFLCNFGKMESGKEASV
HIQLEGRPSILEMDETSALKFEIRATGFPEPNPRVIELNKDENVAHVLLLEGLHHQRPK
RYFTIVISSSSLLLGLIVLLLISYVMWKAGFFKRQYKSILQEENRRDSWSYINSKSNDDT
RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ITGA4 integrin subunit alpha 4 [Homo sapiens (human)]

Official Symbol ITGA4

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Synonyms ITGA4; integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor); CD49D; integrin alpha-4; CD49d; 269C wild type; integrin alpha 4; integrin alpha-IV; VLA-4 subunit alpha; integrin alpha-4 subunit; CD49 antigen-like family member D; antigen CD49D, alpha-4 subunit of VLA-4 receptor; very late activation protein 4 receptor, alpha 4 subunit; IA4; MGC90518;

Gene ID [3676](#)

mRNA Refseq [NM_000885](#)

Protein Refseq [NP_000876](#)

MIM [192975](#)

UniProt ID [P13612](#)

SDS-PAGE

