

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

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

## SPECIFICATION

<b>Product Overview</b>	ITGA4 MS Standard C13 and N15-labeled recombinant protein (NP_000876) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	114.87 kDa
<b>AA Sequence</b>	MAWEARREPGPRRAAVRETVMLLLCLGVPTGRPYNVDTESALLYQGPHNTLFGYS VVLHSHGANRWLLVGAPTANWLANASVINPGAIYRCRIGKNPGQTCEQLQLGSPNG EPCGKTCLEERDNQWLGVTLRQPGENGSIIVTCGHRWKNIFYIKNENKLPTGGCYG VPPDLRTELSKRIAPCYQDYVKKFGENFASCQAGISSFYTKDLIVMGAPGSSYWTGS LFVYNITTNKYKAFLDKQNQVKFGSYLGYSVGAGHFRSQHTTEVVGGAPQHEQIGK

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AYIFSIDEKELNILHEMKGKGLGSYFGASVCAVDLNADGFSDLLVGAPMQSTIREEGR  
 VFVYINSGSGAVMNAMETNLVGS DKYAARFGESIVNLGDIDNDGFEDVAIGAPQEDD  
 LQGAIYIYNGRADGISSTFSQRIEGLQISKSLSMFGQSISGQIDADNNGYVDVAVGAF  
 RSDSAVLLRTRPVVIVDASLSHPESVNRTKFCDCVENGWPSVCIDLTLCF SYKGKEVP  
 GYIVLFYNMSLDVNRKAESPFRFYFSSNGTSDVITGSIQVSSREANCRTHQAFMRKD  
 VRDILTPIQIEAAYHLGPHVISKRSTEEFPPLQPILQQKKEKDIMKKTINFARFCAHENC  
 SADLQVSAKIGFLKPHENKTYLAVGSMKTLMLNVSLFNAGDDAYETTLHVKLPVGLY  
 FIKILELEEKQINCEVTDNSGVVQLDCSIGIYVDHLSRIDISFLLDVSSLSRAEEDLSIT  
 VHATCENEEEMDNLKHSRVTVAIPLKYEKLVHGFVNPTSFVYGSNDENEPETCM  
 VEKMNLTFHVINTGNSMAPNVSVEIMVPNSFSPQTDKLFNILDVQTTTGECHFENYQ  
 RVCALEQQKSAMQTLKGIVQFLSKTDKRLLYCIKADPHCLNFLCNFGKMESGKEASV  
 HIQLEGRPSILEMDETSALKFEIRATGFPEPNRVIELNKDENVAHVLLLEGLHHQRPK  
 RYFTIVIISSSLLLGLIVLLLISYVMWKAGFFKRQYKSILQEENRRDSDWSYINSKSNDDT  
 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](#)

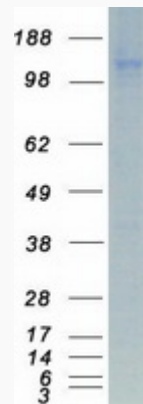
**mRNA Refseq** [NM\\_000885](#)

**Protein Refseq** [NP\\_000876](#)

**MIM** [192975](#)

**UniProt ID** [P13612](#)

**SDS-PAGE**



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