

Recombinant Full Length Human ITGAV Protein

Cat. No. ITGAV-265HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAV was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
Description	The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha subunit and a beta subunit that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha V subunit. This subunit associates with beta 1, beta 3, beta 5, beta 6 and beta 8 subunits. The heterodimer consisting of alpha V and beta 3 subunits is also known as the vitronectin receptor. This integrin may regulate angiogenesis and cancer progression. Alternative splicing results in multiple transcript variants. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes.
Form	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	116 kDa
AA Sequence	MAFPPIRRRLR LGPRGLPLLL SGLLLPLCRA FNLDVDSPAE YSGPEGSYFG FAVDFFVPSA SSQMFLLVGA PKANTTQPGI VEGGQVLKCD WSSTRRCQPI EFDATGNRDY AKDDPLEFKS HQWFGASVRS KQDKILACAP LYHWRTEMKQ EREPVGTCFL QDGTKTVEYA PCRSQDIDAD GQGFCQGGFS IDFTKADRVL

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LGGPGSFYWQ GQLISDQVAE IVSKYDPNVY SIKYNNQLAT RTAQAIFFDS
 YLGYSVAVGD FNGDGIDDFV SGVPRAARTL GMVYIYDGKN MSSLYNFTGE
 QMAAYFGFSV AATDINGDDY ADVFIGAPLF MDRGSDGKLQ EVGQVSVSLQ
 RASGDFQTTK LNGFEVFARF GSAIAPLGDL DQDGFNDIAI AAPYGGEDKK
 GIVYIFNGRS TGLNAVPSQI LEGQWAARSM PPSFGYSMKG ATDIDKNGYP
 DLIVGAFGVD RAILYRARPV ITVNAGLEVY PSILNQDNKT CSLPGTALKV
 SCFNVRFLCK ADGKGVLPRK LNFQVELLLD KLKQKGAIIR ALFLYSRSPS
 HSKNMTISRG GLMQCEELIA YLRDESEFRD KLTPITIFME YRLDYRTAAD
 TTGLQPILNQ FTPANISRQA HILLDCGEDN VCKPKLEVSV DSDQKKIYIG
 DDNPLTLIVK AQNQGEGAYE AELIVSIPLQ ADFIGVVRNN EALARLSCAF
 KTENQTRQVV CDLGNPMKAG TQLLAGLRFS VHQQSEMDTS VKFDLQIQSS
 NLFDKVSPVV SHKVDLAVLA AVEIRGVSSP DHIFLPIPNW EHKENPETEE
 DVGPVVQHIY ELRNNGPSSF SKAMLHLQWP YKYNNNTLLY ILHYDIDGPM
 NCTSDMEINP LRIKISSLTQ TEKNDTVAGQ GERDHLITKR DLALSEGDIH
 TLGCGVAQCL KIVCQVGRDL RGKSAILYVK SLLWTETFMN KENQNHSYSL
 KSSASFNVIE FPYKNLPIED ITNSTLVTTN VTWGIQPAPM PVPVWVILA
 VLAGLLLLAV LVFVMYRMGF FKRVRPPQEE QEREQLQPHE NGEENSET

Applications

Antibody Production; Functional Study: Recommended usage only, not validated yet;
 Compound Screening: Recommended usage only, not validated yet.

Notes

Heating may cause protein aggregation. Please do not heat this product before
 electrophoresis. Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

ITGAV integrin, alpha V [Homo sapiens]

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Official Symbol	ITGAV
Synonyms	ITGAV; integrin, alpha V; antigen identified by monoclonal L230 , integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51) , MSK8, vitronectin receptor , VNRA, VTNR; integrin alpha-V; CD51; integrin alphaVbeta3; vitronectin receptor subunit alpha; antigen identified by monoclonal L230; integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51); MSK8; VNRA; VTNR; DKFZp686A08142
Gene ID	3685
mRNA Refseq	NM_002210
Protein Refseq	NP_002201
MIM	193210
UniProt ID	P06756

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