

Recombinant Human ITGAV Protein, GST-tagged

Cat. No. ITGAV-4988H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITGAV full-length ORF (NP_002201.1, 1 a.a. - 1048 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	ITAGV encodes integrin alpha chain V. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. The I-domain containing integrin alpha V undergoes post-translational cleavage to yield disulfide-linked heavy and light chains, that combine with multiple integrin beta chains to form different integrins. Among the known associating beta chains (beta chains 1,3,5,6, and 8; ITGB1, ITGB3, ITGB5, ITGB6, and ITGB8), each can interact with extracellular matrix ligands; the alpha V beta 3 integrin, perhaps the most studied of these, is referred to as the Vitronectin receptor (VNR). In addition to adhesion, many integrins are known to facilitate signal transduction. Alternative splicing results in multiple transcript variants. [provided by RefSeq]
Molecular Mass	142.4 kDa
AA Sequence	MAFPPRRRLRLGPRGLPLLLSGLLLPLCRAFNLVDSPA EYSGPEGSYFGFAVDFFV PSASSQMFLLVGAPKANTTQPGIVEGGQVLKCDWSSTRRCQPIEFDATGNRDYAKD DPLEFKSHQWFGASVRSKQDKILACAPLYHWRTMKQEREPVGTCTFLQDGTKTVE YAPCRSQDIDADGQGFCQGGFSIDFTKADRVLLGGPGSFYWQGGQLISDQVAEIVSK

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YDPNVYSIKYNNQLATRTAQAFDDSYLGYSVAVGDFNGDGIDDFVSGVPRAARTLG
 MVYIYDGKNMSSLYNFTGEQMAAYFGFSVAATDINGDDYADVFIGAPLFMDRGSDG
 KLQEVGQVSVSLQRASGDFQTTKLNGFEVFARFGSAIAPLGDLQDGFNDIAIAAPY
 GGEDKKGIVYIFNGRSTGLNAVPSQILEGQWAARSMPPSFGYSMKGATDIDKNGYP
 DLIVGAFGVDRAILYRARPVITVNAGLEVYPSILNQDNKTCSLPGTALKVSCFNVRFLC
 KADGKGVLPRLKNFQVELLLDKLKQKGAIRRALFLYSRSPSHSKNMTISRGGLMQCE
 ELIAYLRDESEFRDKLTPITIFMEYRLDYRTAADTTGLQPILNQFTPANISRQAHILLDC
 GEDNVCKPKLEVSVDSDQKKIYIGDDNPLTLIVKAQNQGEYAEELIVSIPLQADFIG
 VVRNNEALARLSCAFKTENQTRQVVCDLGNPMKAGTQLLAGLRFVHQQSEMDTS
 VKFDLQIQSSNLFDKVSPVVS HKVDLAVLA AVEIRGVSSPDHIFLPIPNWEHKENPET
 EEDVGPVVQHIYELRNNGPSSFSKAMLHLQWPYKYNNNTLLYILHYDIDGPMNCTSD
 MEINPLRIKISSLQTTEKNDTVAGQGERDHLITKRDLALSEGDIHTLGCQVAQCLKIVC
 QVGRLD RGKSAILYVKSLLWTETFMNKENQNHSYSLKSSASFNVIEFPYKNLPEDIT
 NSTLVTNTVTWGIQPAPMPVPVWVILAVLAGLLLLAVLVFVMYRMGFFKRV RPPQE
 EQEREQLQPHENGEGNSET

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

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.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

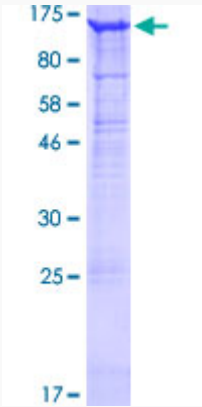
GENE INFORMATION
Gene Name

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_001144999
Protein Refseq	NP_001138471
MIM	193210
UniProt ID	P06756
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue