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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ITGAV (Human) Recombinant Protein (P01)

Catalog Number: H00003685-P01

Regulation Status: For research use only (RUO)

Product Description: Human ITGAV full-length ORF (NP_002201.1, 1 a.a. - 1048 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAFPPRRRLRLGPRGLPLLLSGLLLPLCRANLVDVSP
AEYSGPEGSYFGFAVDFFVPSASSQMFLLVGAPKANT
TQPGIVEGGQVLKCDWSSTRRCQPIEFDATGNRDYAK
DDPLEFKSHQWFGASVRSKQDKILACAPLYHWRTEM
KQEREPVGTCTFLQDGTVEYAPCRSQDIDADGQGF
CQGGFSIDFTKADRVLLGGPGSFYWQQLISDQVAEI
VSKYDPNVYSIKYNNQLATRTAQAIFFDSDYLSVAVG
DFNGDGIDDFVSGVPRAARTLGMVYIDGKNMSSLYN
FTGEQMAAYFGFSVAATDINGDDYADVFIGAPLFMDR
GSDGKLQEVGQVSVSLQRASGDFQTTKLNQFEVFR
FGSAIAPLGLDQDGFNDIAIAPYGGEDKKGIVYIFNG
RSTGLNAVPSQILEGQWAARSMPPSFGYSMKGATDID
KNGYDPLIVGAFGVDRAILYRARPVITVNAAGLEVYPSIL
NQDNKTCSLPGTALKVSCFNVRFLKADGKGVLPKRL
NFQVELLLDKLKQKGAIRRALFLYSRSPSHSKNMTISR
GGLMQCEELIAYLRDESEFRDKLTPITIFMEYRLDYRTA
ADTTGLQPILNQFTPANISRQAHILLDCGEDNVCKPKLE
VSVSDQKKIYIGDDNPLTLIVKAQNQEGEGAYEELIVS
IPLQADFIGVVRNNEALARLSCAFKTENQTRQVCDLG
NPMKAGTQLLAGLRFVHQSEMDSVKFDLQIQSSN
LFDKVSPPVSHKVDLAVLAAVEIRGVSSPDHIFLPIPNW
EHKENPETEEDVGPVVQHIYELRNNGPSSFSKAMLHL
QWPYKYNNTLLYILHYDIDGPMNCTSDMEINPLRIKIS
SLQTTEKNDTVAGQGERDHLITKRDLALSEGDIHTLGC
GVAQCLKIVCQVGRDLDRGKSAILYVKSLLWTETFMNKE
NQNHSLKSSASFNVEFPYKNLPIEDITNSTLVTTNV
TWGIQAPAMPVPVWVILAVLAGLLLVAVLVFVMYRMG
FFKRVRPPEEQEREQLQPHENGEENSET

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 142.4

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3685

Gene Symbol: ITGAV

Gene Alias: CD51, DKFZp686A08142, MSK8, VNRA

Gene Summary: 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]

References:

1. Characterization of the Interaction between Heterodimeric α 5 β 1 Integrin and Urokinase Plasminogen Activator Receptor (uPAR) Using Functional Proteomics. Ahn SB, Mohamedali A, Anand S, Cheruku HR, Birch D, Sowmya G, Cantor D, Ranganathan S, Inglis DW, Frank R, Agrez M, Nice EC, Baker MS J Proteome Res. 2014 Oct 29.