

Recombinant Human ITGA5 Protein

Cat. No. ITGA5-4996H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITGA5 full-length ORF (NP_002196.2) recombinant protein without tag.
Species	Human
Source	Wheat Germ
Description	<p>The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain. Alpha chain 5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling.</p> <p>[provided by RefSeq]</p>
Form	Liquid
Molecular Mass	114.5 kDa
AA Sequence	<p>MGSRTPEsplhAVQLRWGPRRRPPLLPLLLLLLPPPPRVGGFNLDAEAPAVLSGPP GSFFGFSVEFYRPGTDGVSVLVGAPKANTSQPGVLQGGAVYLCPWGASPTQCTPI EFDSKGSRLLESSLSSSEGEPEVEYKSLQWFGATVRAHGSSILACAPLYSWRTEKE PLSDPVGTCYLSTDNFTRILEYAPCRSDFSWAAGQGYCQGGFSAEFTKTGRVVLGG PGSYFWQGGQILSATQEIQIAESYYPEYLINLVQGGQLQTRQASSIYDDSYLGYSVAVGE FSGDDTEDFVAGVPKGNLTYGYVTILNGSDIRSLYNFSGEQMASYFGYAVAATDVN GDGLDDLLVGAPLLMDRTPDGRPQEVGRVYVYLQHPAGIEPTTLTLTGHDEFGRF</p>

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GSSLTPLGDLDDQDGYNDVAIGAPFGGETQQGVVVFVFPGGPGGLGSKPSQVLQPLW
 AASHTPDFFGSALRGGRRDLGNGYPDLIVGSFGVDKAVVYRGRPIVSASASLTIFPA
 MFNPEERSCSLEGNPVACINLSFCLNASGKHVADSIGFTVELQLDWQKQKGGVRRRA
 LFLASRQATLTQTLLIQNGAREDCREMKIYLRNESEFRDKLSPIHIALNFSLDPQAPVD
 SHGLRPALHYQSKSRIEDKAQILLDCGEDNICVPDLQLEVFGEQNHVYLGDKNALNL
 TFHAQNVGEGGAYEALRV TAPPEAEYSGLVRHPGNFSSLSCDYFAVNQSRLLVCD
 LGNPMKAGASLWGGLRFTVPHLRDTKKTIQDFQILSKNLNNSQSDVVSFRLSVEAQ
 AQVTLNGVSKPEAVLFPVSDWHPRDQPQKEEDLGPVHHVYELINQGPSSISQGVL
 ELSCPQALEGQQLLYVTRVTGLNCTTNHPINPKGLELDPEGSLHHQQKREAPSRSS
 ASSGPQILKCEAECFRLRCELGPLHQQESQSLQLHFRVWAKTFLQREHQPFSLQC
 EAVYKALKMPYRILPRQLPQKERQVATAVQWTKAEGSYGVPLWIIILAILFGLLLLGLLI
 YILYKLGFFKRSLPYGTAMEKAQLKPPATSDA

Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
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	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name	ITGA5 integrin, alpha 5 (fibronectin receptor, alpha polypeptide) [Homo sapiens]
Official Symbol	ITGA5

Synonyms ITGA5; integrin, alpha 5 (fibronectin receptor, alpha polypeptide); FNRA; integrin alpha-5; CD49e; VLA-5; integrin alpha-F; CD49 antigen-like family member E; fibronectin receptor subunit alpha; fibronectin receptor, alpha subunit; very late activation protein 5, alpha subunit; VLA5A;

Gene ID 3678

mRNA Refseq NM_002205

Protein Refseq NP_002196

MIM 135620

UniProt ID P08648

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