

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	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. [provided by RefSeq]
Form	Liquid
Molecular Mass	114.5 kDa
AA Sequence	MGSRTPEsplhAVQLRWGPRRRPPLLPLLLLLLPPPPRVGGFNLDAEAPAVLSGPP GSFFGFSVEFYRPGTDGVSVLVGAPKANTSQPGVLQGGAVYLCPWGASPTQCTPI EFDSKGSRLLESSLSSEGEPEVEYKSLQWFGATVRAHGSSILACAPLYSWRTEKE PLSDPVGTCYLSTDNFTRILEYAPCRSDFSWAAGQGYCQGGFSAEFTKTGRVVLGG PGSYFWQGGQILSATQEIQIAESYYPEYLINLVQGQLQTRQASSIYDDSYLGYSVAVGE FSGDDTEDFVAGVPKGNLTGYVTILNGSDIRSLYNFSGEQMASYFGYAVAATDVN GDGLDDLLVGAPLLMDRTPDGRPQEVGRVYVYLQHPAGIEPTPTLTLTGHDEFGRF

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GSSLTPLGLDLDQDGYNDVAIGAPFGGETQQGVVVFVPPGGPGGLGSKPSQVLQPLW
 AASHTPDDFFGSALRGGRDLGNGYPDLIVGSFGVDKAVVYRGRPIVSASASLTIFPA
 MFNPEERSCSLEGPNVACINLSFCLNASGKHVADSIGFTVELQLDWQKQKGGVRRRA
 LFLASRQATLTQTLLIQNGAREDCREMKIYLRNESEFRDKLSPIHIALNFSLDPQAPVD
 SHGLRPALHYQSKSRIEDKAQILLDCGEDNICVPDLQLEVFGEQNHVYLGDKNALNL
 TFHAQNVGEGGAYEAEALRVTAPEAEYSGLVRHPGNFSSLSCDYFAVNQSRLLVCD
 LGNPMKAGASLWGGRLRFTVPHLRDTKKTIQFDFQILSKNLNNSQSDVVSFRLSVEAQ
 AQVTLNGVSKPEAVLFPVSDWHPRDQPQKEEDLGPVHHVYELINQGPSSISQGV
 ELSCPQALEGQQLLYVTRVTGLNCTTNHPINPKGLELDPEGSLHHQQKREAPSRSS
 ASSGPQILKCPEAECFRLRCELGPLHQQESQSLQLHFRVWAKTFLQREHQPFSLQC
 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

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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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