

Recombinant Full Length Human ITGA5 Protein

Cat. No. ITGA5-5724HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITGA5 full-length ORF (NP_002196.2) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1,065 amino acids
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 PGSYFWQGGQILSATQEQIAESYYPEYLINLVQGQLQTRQASSIYDDSYLGYSAVGE</p>

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FSGDDTEDFVAGVPGKNLTYGYVTILNGSDIRSLYNFSGEGMASYFGYAVAATDVN
 GDGLDDLLVGAPLLMDRTPDGRPQEVGRVYVYLQHPAGIEPTTLTLTGHDEFGRF
 GSSLTPLGLDLDQDGYNDVAIGAPFGGETQQGVVVFVPPGGPGGLGSKPSQVLQPLW
 AASHTPDDFFGSALRGGRDLDGNGYPDLIVGSFGVDKAVVYRGRPIVSASASLTIFPA
 MFNPEERSCSLEGNPVACINLSFCLNASGKHVADSIGFTVELQLDWQKQKGGVRRRA
 LFLASRQATLTQTLLIQNGAREDCREMKIYLRNESEFRDKLSPIHIALNFSLDPQAPVD
 SHGLRPALHYQSKSRIEDKAQILLDCGEDNICVPDLQLEVFGEQNHVYLGDKNALNL
 TFHAQNVGEGGAYEALRV TAPPEAEYSGLVRHPGNFSSLSCDYFAVNQSRLLVCD
 LGNPMKAGASLWGGLRFTVPHLRDTKKTIQDFQILSKNLNNSQSDVVSFRLSVEAQ
 AQVTLNGVSKPEAVLFPVSDWHPRDQPQKEEDLGPVHHVYELINQGPSSISQGVL
 ELSCPQALEGQQLLYVTRVTGLNCTTNHPINPKGLELDPEGSLHHQQKREAPSRSS
 ASSGPQILKCEAECFRLRCELGPLHQQESQSLQLHFRVWAKTFLQREHQPFSLQC
 EAVYKALKMPYRILPRQLPQKERQVATAVQWTKAEGSYGVPLWIIILAILFGLLLLGLLI
 YILYKLGFFKRSLPYGTAMEKAQLKPPATSDA

Applications Antibody Production
 Functional Study
 Compound Screening

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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