

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	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	MGSRTPEsplhAVQLRWGPRRRPPLLPLLLLLLPPPPRVGGFNLD AEAPAVLSGPP GSFFGFSVEFYRPGTDGVSVLVGAPKANTSQPGVLQGGAVYLC PWGASPTQCTPI EFDSKGSRLLESSLSSEGE EEPVEYKSLQWFGATVRAHGSSILACAPLYSWRTEKE PLSDPVGTCYLSTDNFTRILEYAPCRSDFSWAAGQGYCQGGFSAEFTKTGRVVLGG PGSYFWQGGQILSATQEQAESYYPEYLINLVQGGQLQTRQASSIYDDSYLGYSVAVGE

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FSGDDTEDFVAGVPKGNLTGYVTILNGSDIRSLYNFSGEQMASYFGYAVAATDVN
 GDGLDDLLVGAPLLMDRTPDGRPQEVGRVYVYLQHPAGIEPTPTLTLTGHDEFGRF
 GSSLTPLGLDLDQDGYNDVAIGAPFGGETQQGVVVFVPGGPGGLGSKPSQVLQPLW
 AASHTPDDFFGSALRGGRDLGNGYPDLIVGSFGVDKAVVYRGRPIVSASASLTIFPA
 MFNPEERSCSLEGNPVACINLSFCLNASGKHVADSIGFTVELQLDWQKQKGGVRRRA
 LFLASRQATLTQTLLIQNGAREDCREMKIYLRNESEFRDKLSPIHIALNFSLDPQAPVD
 SHGLRPALHYQSKSRIEDKAQILLDCGEDNICVPDLQLEVFGEQNHVYLGDKNALNL
 TFHAQNVGEGGAYEALRVTAPEAEYSGLVRHPGNFSSLSCDYFAVNQSRLLVCD
 LGNPMKAGASLWGGRLRFTVPHLRDTKKTIQFDFQILSKNLNNSQSDVVSFRLSVEAQ
 AQVTLNGVSKPEAVLFPVSDWHPRDQPQKEEDLGPVHHVYELINQGPSSISQGV
 ELSCPQALEGQQLLYVTRVTGLNCTTNHPINPKGLELDPEGSLHHQQKREAPSRSS
 ASSGPQILKCPEAECFRLRCELGPLHQQESQSLQLHFRVWAKTFLQREHQPFSLQC
 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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