

Recombinant Human ITGA5 Protein

Catalog #	Source	Reactivity	Applications
CRP1834	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human ITGA5 Protein is produced by our Mammalian expression system and the target gene encoding Phe42-Tyr995 is expressed with a 6His tag at the C-terminus.

Form Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Gene Symbol ITGA5

Alternative Names FNRA; Integrin alpha-5; CD49 antigen-like family member E; Fibronectin receptor subunit alpha; Integrin alpha-F; VLA-5; CD49e

Entrez Gene 3678 (Human)

SwissProt P08648 (Human)

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Chemical Structure FNLDAEAPAV LSGPPGSFFG FSVEFYRPGT DGVSVLVGAP KANTSQPGVL QGGAVYLCPW
 GASPTQCTPI EFDSKGSRLLESSLSSSEGE EPVEYKSLQW FGATVRAHGS SILACAPLYS
 WRTEKEPLSD PVGTCYLSTD NFTRILEYAP CRSDFSWAAG QGYCQGGFSA EFTKTGRVVL
 GGPGSYFWQG QILSATQEQI AESYYPEYLI NLVQQQLQTR QASSIYDDSY LGYSVAVGEF
 SGDDTDFVA GVPKGNLTYG YVTILNGSDI RSLYNFSGEQ MASYFGYAVA ATDVNGDGLD
 DLLVGAPLLM DRTPDGRPQE VGRVYVYLQH PAGIEPTPTL TLTGHDEFGR FGSSLTPLGD
 LDQDGYNDVA IGAPFGGETQ QGVVVFVPPG PGGLGSKPSQ VLQPLWAASH TPDFFGSALR
 GGRDLGNGY PDLIVGSFGV DKAVVYRGRP IVSASASLTI FPAMFNPEER SCSLEGNPVA
 CINLSFCLNA SGKHVADSIG FTVELQLDWQ KQKGGVRRAL FLASRQATLT QTLIIQNGAR
 EDCREMKIYL RNESEFRDKL SPIHIALNFS LDPQAPVDSH GLRPALHYQS KSRIEDKAQI
 LLDCGEDNIC VPDLQLEVFG EQNHVYLGDK NALNLTFFHAQ NVGEGGAYEA ELRVTAPPEA

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

EYSGLVRRHPG NFSSLSCDYF AVNQSRLVC DLGNPMKAGA SLWGGLRFTV PHLRDTKTI
QFDFQILSKN LNNSQSDVVS FRLSVEAQAQ VTLNGVSKPE AVLFPVSDWH PRDQPQKEED
LGPAVHHVYE LINQGPSSIS QGVLELSCPQ ALEGQQLLYV TRVTGLNCTT NHPINPKGLE
LDPEGLHHQ QKREAPSRSS ASSGPQILKC PEAEFRLRC ELGPLHQQES QSLQLHFRVW
AKTFLQREHQ PFSLQCEAVY KALKMPYRIL PRQLPQKERQ VATAVQWTKA EGSYVDHHHH
HH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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