

Recombinant Human VCL Protein

Catalog #	Source	Reactivity	Applications
CRP2513	E. coli	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human VCL Protein is produced by our E. coli expression system and the target gene encoding Pro2-Gln1066 is expressed.

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

Gene Symbol VCL

Alternative Names Vinculin; Metavinculin; MV

Entrez Gene 7414 (Human)

SwissProt P18206 (Human)

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

Chemical Structure PVFHTRTIES ILEPVAQQIS HLVIMHEEGE VDGKAIPDLT APVAAVQAAV SNLVRVGKET VQTTEDQILK RDMPPAFIKV ENACTKLVQA AQMLQSDPYS VPARDYLIDG SRGILSGTSD LLLTFDEAEV RKIIRVCKGI LEYLTVAEVV ETMEDLVITYT KNLGPGMTKM AKMIDERQQE LTHQEHRVML VNSMNTVKEL LPVLISAMKI FVTTKNSKNQ GIEEALKNRN FTLEKMSAEI NEIIRVLQLT SWDEDAWASK DTEAMKRALA SIDSKLNQAK GWLRDPSASP GDAGEQAIRQ ILDEAGKVG E LCAGKERREI LGTCKMLGQM TDQVADLRAR GQGSSPVAMQ KAQQVSQGLD VLTAKVENAA RKLEAMTNSK QSIKKIDAA QNWLADPNGG PEGEEQIRGA LAEARKIAEL CDDPKERDDI LRS LG EISAL TSKLADLRRQ GKGDSPEARA LAKQVATALQ NLQTKTNRAV ANSRPAKAAV HLEGKIEQAQ RWIDNPTVDD RGVGQAAIRG LVAEGHRLAN VMMGPYRQDL LAKCDRVDQL TAQLADLAAR GEGESPQARA LASQLQDSLK DLKARMQEAM TQEVSDVFS D TTTPIKLLAV AATAPPDAPN REEVFDERAA NFENHSGKLG ATA E KAAAVG TANKSTVEGI QASVKTAREL TPQVVSAARI LLRNPGNQAA YEHFETMKNQ WIDNVEKMTG LVDEAIDTKS LLDASEEAIK KDLDKCKVAM ANIQPQMLVA GATSIARRAN

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

RILLVAKREV ENSEDPKFRE AVKAASDELS KTISPMVMDA KAVAGNISDP GLQKSFLDSG
YRILGAVAKV REAFQPQEPD FPPPPDLEQ LRLTDELAPP KPPLPEGEVP PPRPPPPEEK
DEEFPEQKAG EVINQPMMA ARQLHDEARK WSSKGNIIA AAKRMALLMA
EMSRLVRGGS GTKRALIQCA KDIKASDEV TRLAKEVAKQ CTDKIRITNL LQVCERIPTI
STQLKILSTV KATMLGRTNI SDEEQATE MLVHNAQNLN QSVKETVREA EAASIKIRTD
AGFTLRWVRK TPWYQ

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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