

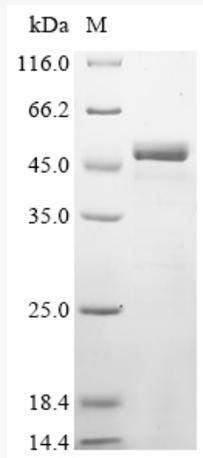
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Datasheet

Product Name	Recombinant Human Vinculin(VCL),partial
Catalog Number	AAA18464
Expression host	<i>E.coli</i>
Product Info	N-terminal GST-tagged
Storage Buffer	0.2 µm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, pH 8.0, 50% glycerol
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	Actin filament (F-actin)-binding protein involved in cell-matrix adhesion and cell-cell adhesion. Regulates cell-surface E-cadherin expression and potentiates mechanosensing by the E-cadherin complex. May also play important roles in cell morphology and locomotion.
AA sequence	PVFHTRTIESILEPVAQQISHLVIMHEEGEVDGKAIPDLTAPVAAVQAAVSNLV RVGKETVQTTEDQILKRDMPPAFIKVENACTKLVQAAQMLQSDPYSVPARDY LIDGSRGILSGTSDLLLTDFDEAEVRKIIRVCKGILEYLTVAEVVETMEDLVTYT KNLGPGMTKMAKMIDERQQELTHQEHRVMLVNSMNTVKELLPVLISAMKIF VTTKNSKNQGIEEALKNRNFTVE
References	"Complete sequence of human vinculin and assignment of the gene to chromosome 10." Weller P.A., Ogryzko E.P., Corben E.B., Zhidkova N.I., Patel B., Price G.J., Spurr N.K., Koteliansky V.E., Critchley D.R. Proc. Natl. Acad. Sci. U.S.A. 87:5667-5671(1990)

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Certificate of Analysis

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Buffer	0.2 µm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, pH 8.0, 50% glycerol	
Batch Number	YD05145b1g5	
Nature	Human VCL-(AA 2-235)-P18206-Partial Protein	
Purification	Affinity purified using AC	
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt
	Long term	-20 to -80 °C, six months from the date of receipt
Form	Liquid	
Date of detection	2022.03.22	
Test Items	Specifications	Results
Appearance	Clear Solution	pass
Concentration	0.1-5 mg/ml, by the Bradford Method.	0.55 mg/ml
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.	90%
Molecular Weight	Predicted band size: 53 kDa	Observed band size: 53 kDa



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Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.	
Aseptic Processing	0.2 µm sterile filtered	
Endotoxin Level	<1.0 EU per 1µg of the protein by the LAL method.	pass
Activity	Not tested	
Conclusion	pass	