

Vascular cell adhesion molecule 1 Human Recombinant, HEK

Item Number	rAP-5056
Synonyms	Vascular cell adhesion protein 1, V-CAM 1, INCAM-100, CD106, VCAM1, L1CAM, MGC99561, DKFZp779G2333.
Description	VCAM1 Human Recombinant produced by mammalian expression system in human cells is a single polypeptide chain containing 682 amino acids (25-698). VCAM1 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P19320
Amino Acid Sequence	FKIETTPESRYLAQIGDSVSLTCSTTGCESPFFSWRTQIDSPLNGKVTNEGTTSTLT-MNPVSFGNEHSYLCTATCESRKLEKGIQVEIYSFPKDPEIHLSGPLEAGKPITVKCSVADVYPFDRLEIDLLKGDHLMKSQEFLEDADRKSLETKSLEVTFTPVIEDIGKVLVCRAKLHIDEMDSVPTVRQAVKELQVYISPKNTV ISVNPSTKLQEGGSVTMTCSSEGLPAPEIFWSKLDNGNLQHLSGNATLTIAMRMEDSGIYVCEGVNLIGK NRKEVELIVQEKPFVTEISPGPRIAAQIGDSVMLTCSVMGCESPSFSWRTQIDSPLSGKVRSEGTNSTLTLSPVSENEHSYLCTVTCGHKKLEKGIQVELYSFPRDPEIEMSGGLVNGSSVTVCKVPSVYPLDRLEIELLKG
Source	HEK293 cells.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized VCAM1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VCAM1 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	VCAM1 was lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, 2mM CaCl ₂ , 2mM MgCl ₂ and 5%Threhalose, pH 7.2. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized VCAM1 in 1xPBS to a concentration no less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**