

Recombinant Human VCAM1 Protein, His-tagged

Cat. No. VCAM1-473H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human VCAM1 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	739
Description	This gene is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of atherosclerosis and rheumatoid arthritis. Three alternatively spliced transcripts encoding different isoforms have been described for this gene.
Form	Lyophilized
Molecular Mass	75 kDa
AA Sequence	MPGKMVVILGASNILWIMFAASQAFKIETTPESRYLAQIGDSVSLTCSTTGCESPFFS WRTQIDSP LNGKVTNEGTTSTLTMNPVSFGNEHSYLCTATCESRKLEKGIQVEIYSF PKDPEIHLSGPLEAGKPITVKCSVADVYPFDRLEIDLLKGDHLMKSQEFLEDADRKSL ETKSLEVTFTPVIEDIGKVLVCRAKLHIDEMDSVPTVRQAVKELQVYISPKNTVISVNP STKLQEGGSVTMTCSSEGLPAPEIFWSKLDNGNLQHLSGNATLTLIAMRMEDSGIY VCEGVNLIGKNRKEVELIVQEKPFTVEISPGPRIAAQIGDSVMLTCSVMGCESPSFSW

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RTQIDSPLSGKVRSEGTNSTLTLSPVSFENEHSYLCTVTCGHKKLEKGIQVELYSFPR
 DPEIEMSGGLVNGSSVTVSCKVPSVYPLDRLEIELLKGETILENIEFLEDTDMKSLENK
 SLEMTFIPTIEDTGKALVCQAKLHIDDMEFEPKQRQSTQTLVNVAPRDTTVLVSPSS
 ILEEGSSVNMTCLSQGFPAPKILWSRQLPNGELQPLSENATLTLISTKMEDSGVYLCE
 GINQAGRSRKEVELIIQVTPKDIKLTAFPSESVKEGDTVIIISCTCGNVPETWILKKKAE
 TGDTVLSIDGAYTIRKAQLKDAGVYECESKNKVGSQRLSLTLDVQGRENNKDYFSP
 ELLVLYFASLIIPAIGMIIYFARKANMKGSYSLVEAQSKV

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name VCAM1 vascular cell adhesion molecule 1 [Homo sapiens (human)]

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Official Symbol	VCAM1
Synonyms	VCAM1; vascular cell adhesion molecule 1; vascular cell adhesion protein 1; CD106; CD106 antigen; INCAM-100; MGC99561; DKFZp779G2333;
Gene ID	7412
mRNA Refseq	NM_001078
Protein Refseq	NP_001069
MIM	192225
UniProt ID	P19320

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