

Recombinant Human MADCAM1 protein, His-tagged

Cat. No. MADCAM1-2538H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MADCAM1 protein(NP_570116.2)(19-317aa), fused to His-tag at C-terminus, was expressed in Yeast.
Species	Human
Source	Yeast
ProteinLength	19-317aa
Description	The protein encoded by this gene is an endothelial cell adhesion molecule that interacts preferentially with the leukocyte beta7 integrin LPAM-1 (alpha4beta7), L-selectin, and VLA-4 (alpha4beta1) on myeloid cells to direct leukocytes into mucosal and inflamed tissues. It is a member of the immunoglobulin family and is similar to ICAM1 and VCAM1. At least seven alternatively spliced transcripts encoding different protein isoforms have been found for this gene, but the full-length nature of some variants has not been determined.
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	33.4 kDa
AA Sequence	QSLQVKPLQVEPPEPVVAVALGASRQLTCRLACADRGASVQWRGLDTSLGAVQSD

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TGRSVLTVRNASLSAAGTRVCVGSCGGRTFQHTVQLLVYAFPDQLTVSPAALVPGD
PEVACTAHKVTPVDPNALSFSLLVGGQELEGAQALGPEVQEEEEEPQGDDEDVLFVRV
TERWRLPPLGTPVPPALYCQATMRLPGLELSHRQAIPVLHSPTSPEPPDTTSPESPD
TTSPESPDTTSQEPPDTTSPPEPDKTSPEPAPQQGSTHTPRSPGSTRTRRPEISQA
GPTQGEVIPTGSSKPAGDQ

Purity	Greater than 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	MADCAM1 mucosal vascular addressin cell adhesion molecule 1 [Homo sapiens (human)]
Official Symbol	MADCAM1
Synonyms	Addressin mucosal; hMAdCAM 1 ; hMAdCAM-1; MACAM1; MADCA_HUMAN; MAdCAM 1; MAdCAM-1; Madcam1
Gene ID	8174

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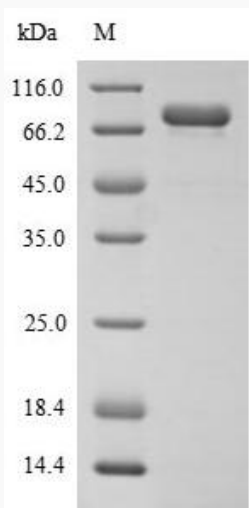
mRNA Refseq NM_130760.3

Protein Refseq NP_570116.2

MIM 102670

UniProt ID Q13477

SDS-PAGE of
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