

Recombinant Human MADCAM1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MADCAM1-3852H Lot. No. (See product label)

SPECIFICATION

Product Overview

MADCAM1 MS Standard C13 and N15-labeled recombinant protein (NP_570118) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

29.3 kDa

AA Sequence

MDFGLALLLAGLLGLLLGQSLQVKPLQVEPPEPVVAVALGASRQLTCRLACADRGAS
VQWRGLDTSLGAVQSDTGRSVLTVRNASLSAAGTRVCGVSCGGRTFQHTVQLLVY
AFPDQLTVSPAALVPGDPEVACTAHKVTPVDPNALSFSLLVGGQELEGAQALGPEV
QEEEEEPQGDEDVLFVRVTERWRLPPLGTPVPPALYCQATMRLPGLELSHRQAIPAS
KPAGDQLPAALWTSSAVLGLLLLALPTYHLWKRCRHLAEDDTHPPASLRLLPQVSA
WAGLRGTGQVGISPSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

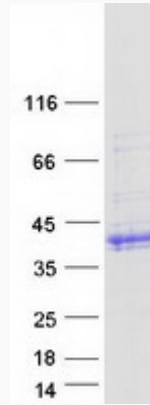
Gene Name	MADCAM1 mucosal vascular addressin cell adhesion molecule 1 [Homo sapiens (human)]
Official Symbol	MADCAM1
Synonyms	MADCAM1; mucosal vascular addressin cell adhesion molecule 1; mucosal addressin cell adhesion molecule 1; MACAM1; MAdCAM-1; hMAdCAM-1; mucosal addressin cell adhesion molecule-1;
Gene ID	8174
mRNA Refseq	NM_130762
Protein Refseq	NP_570118
MIM	102670
UniProt ID	Q13477

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SDS-PAGE



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