

Recombinant Human ICAM4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ICAM4-4077H Lot. No. (See product label)

SPECIFICATION

Product Overview

ICAM4 MS Standard C13 and N15-labeled recombinant protein (NP_001034221) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes the Landsteiner-Wiener (LW) blood group antigen(s) that belongs to the immunoglobulin (Ig) superfamily, and that shares similarity with the intercellular adhesion molecule (ICAM) protein family. This ICAM protein contains 2 Ig-like C2-type domains and binds to the leukocyte adhesion LFA-1 protein. The molecular basis of the LW(A)/LW(B) blood group antigens is a single aa variation at position 100; Gln-100=LW(A) and Arg-100=LW(B). Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Molecular Mass

29.6 kDa

AA Sequence

MGSLFPLSLLFFLAAAYPGVGSALGRRTKRAQSPKGSPLAPSGTSVPPFWVRMSPEF
 VAVQPGKSVQLNCSNSCPQPQNSSLRTPLRQGKTLRGPWVSYQLLDVRAWSSLA
 HCLVTCAGKTRWATSRITAYSVPGLLLGGDPEAWKPGHLFRKPGALHRPGSGQRD
 LDLRVCCWTPRLLAARDLPRAPQSRRPGGPQQLGTHYTDARLEPRAHSFGLRFHR
 CPCRDPHCGRCVPMQVPSYEVPGVKGDVLCRLSEKRNMKQSGEMAIHGGTRT
 RPLEQKLISEEDLAANDILDYKDDDDKV

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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	ICAM4 intercellular adhesion molecule 4 (Landsteiner-Wiener blood group) [Homo sapiens (human)]
Official Symbol	ICAM4
Synonyms	ICAM4; intercellular adhesion molecule 4 (Landsteiner-Wiener blood group); intercellular adhesion molecule 4 (LW blood group), intercellular adhesion molecule 4, Landsteiner Wiener blood group, Landsteiner Wiener blood group, LW; intercellular adhesion molecule 4; CD242; CD242 antigen; LW blood group protein; Landsteiner-Wiener blood group antigen a; Landsteiner-Wiener blood group glycoprotein; intercellular adhesion molecule 4 (LW blood group); LW;
Gene ID	3386
mRNA Refseq	NM_001039132
Protein Refseq	NP_001034221

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MIM 614088

UniProt ID Q14773

SDS-PAGE



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