

Recombinant Human ICAM2, His-tagged

Cat. No. ICAM2-152H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ICAM2, 22-223aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	22-223aa
Description	ICAM2 is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance. Several transcript variants encoding the same protein have been found for this gene. Recombinant human ICAM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	24.8 kDa (225aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSDEKVFE VHVRPKKLAV EPKGSLEVNC

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STTCNQPEVG GLETSLDKIL LDEQAQWKHY LVSNIHDTV LQCHFTCSGK
 QESMNSNVSV YQPPRQVILT LQPTLVAVGK SFTIECRVPT VEPLDSLTLF
 LFRGNETLHY ETFGKAAPAP QEATATFNST ADREDGHRNF SCLAVLDLMS
 RGGNIFHKHS APKMLEIYEP VSDSQ

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [ICAM2 intercellular adhesion molecule 2 \[Homo sapiens \]](#)

Official Symbol ICAM2

Synonyms ICAM2; intercellular adhesion molecule 2; CD102; ICAM-2;

Gene ID [3384](#)

mRNA Refseq [NM_000873](#)

Protein Refseq [NP_000864](#)

MIM [146630](#)

UniProt ID [P13598](#)

Chromosome Location 17q23-q25

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Pathway

Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem; Integrin cell surface interactions, organism-specific biosystem; Natural killer cell mediated cytotoxicity, organism-specific biosystem;

Function

integrin binding;

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