

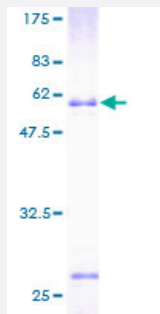
Full-Length

ICAM2 (Human) Recombinant Protein (P01)

Catalog # H00003384-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ICAM2 full-length ORF (AAH03097, 1 a.a. - 275 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSSFgyRTLtVALFTLICCPGSDEKVFevHVRPKKLAVEPKGSLEVNCSTTCNQPEVGGLETSLD
KILLDEQAQWKHYLVSNISHDTVlQCHFTCSGKRESMNSNVSVYQPPRQVILtLQPTLVAVGKSFT
IECRVPTVEPLDSLTLFLFRGNETLHYETFGKAAPAPQEATATFNSTADREDGHRNFsCLAVLDL
MSRGGNIFhKHSAPKMLeYEPVSDSQMVIVTVVSVLLSLFVTSVLLCFIFGQHLRQQRMGTYGVR
AAWRRLPQAfRP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

55.99

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ICAM2

Entrez GeneID [3384](#)

GeneBank Accession# [BC003097](#)

Protein Accession# [AAH03097](#)

Gene Name ICAM2

Gene Alias CD102

Gene Description intercellular adhesion molecule 2

Omim ID [146630](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene 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. [provided by RefSeq]

Other Designations -

Publication Reference

- [ICAM2 initiates trans-blood-CSF barrier migration and stemness properties in leptomeningeal metastasis of triple-negative breast cancer.](#)

Jhih-Kai Pan, Wen-Der Lin, Yao-Lung Kuo, Yu-Chia Chen, Zhu-Jun Loh, Forn-Chia Lin, Hui-Chuan Cheng, Michael Hsiao, Pei-Jung Lu.

Oncogene 2023 Sep; 42(39):2919.

Application: Pull-Down, Human, Recombinant protein

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)