

## Recombinant Human ICAM4 Protein, GST-His-tagged

Cat. No. ICAM4-204H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Recombinant Human ICAM4, transcript variant 1, fused with N-terminal GST and C-terminal His was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 55.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

### GENE INFORMATION

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ICAM4 intercellular adhesion molecule 4 (Landsteiner-Wiener blood group) [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Official Symbol</b> | ICAM4                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 3386                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>     | NM_001039132                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>  | NP_001034221                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>MIM</b>             | 614088                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>      | Q14773                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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