

# Recombinant Human CD58 Protein, His-tagged

**Cat. No.** CD58-201H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Recombinant Human CD58 Protein with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | CD2 (also designated E-rosette receptor) interacts through its amino-terminal domain with the extracellular domain of CD58 (also designated CD2 ligand) to mediate cell adhesion. CD2/CD58 binding can enhance antigen-specific T cell activation. CD2 is a transmembrane glycoprotein that is expressed on T lymphocytes, NK cells and thymocytes, as well as on mouse B cells and rat splenic macrophages. CD58 is a heavily glycosylated protein with a broad tissue distribution in hematopoietic and other cells, including endothelium. |
| <b>Molecular Mass</b>   | ~24 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | FSQQIYGVVYGNVTFHVP SNVPLKEVLWKKQKDKVAELENSEFRAFSSFKNRVYLD<br>TVSGSLTIYNLTSSDEDEYEMESPNITDTMKFFLYVLESLPSPTLTCA LTNGSIEVQC<br>MIPEHYNSHRGLIMYSWDCPMEQCKRNSTSIYFKMENDLPQKIQCTLSNPLFNTTSS<br>IILTTCIPSSGHSRHR                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Notes</b>            | For research use only, not for use in diagnostic procedure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles. |
| <b>Concentration</b>  | ≥0.5 mg/mL                                                                                                 |
| <b>Storage Buffer</b> | PBS, 4M Urea, pH7.4                                                                                        |

## GENE INFORMATION

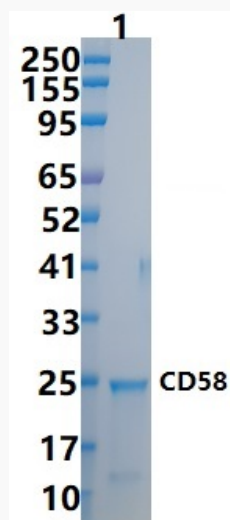
|                        |                                                                                                                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CD58 CD58 molecule [ Homo sapiens (human) ]                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | CD58                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | CD58; CD58 molecule; CD58 antigen, (lymphocyte function associated antigen 3) , LFA3; lymphocyte function-associated antigen 3; surface glycoprotein LFA-3; CD58 antigen, (lymphocyte function-associated antigen 3); ag3; LFA3; LFA-3; FLJ23181; FLJ43722; |
| <b>Gene ID</b>         | 965                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_001144822                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>  | NP_001138294                                                                                                                                                                                                                                                |
| <b>MIM</b>             | 153420                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>      | P19256                                                                                                                                                                                                                                                      |

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SDS-PAGE



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