

## Recombinant Human CD58 Molecule

**Cat. No.** CD58-4137H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Lymphocyte Function-Associated Antigen-3 Fusion Protein Recombinant Human is produced by recombinant DNA technology in a Chinese Hamster Ovary (CHO) mammalian cell expression system. The molecular weight is 91.4 kilodaltons. Recombinant LFA3 is purified by proprietary chromatographic techniques.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	LFA-3 is ligand of the t-lymphocyte cd2 glycoprotein. This interaction is important in mediating thymocyte interactions with thymic epithelial cells, antigen-independent and dependent interactions of t-lymphocytes with target cells and antigen- presenting cells and the t-lymphocyte rosetting with erythrocytes. In addition, the lfa-3/cd2 interaction may prime response by both the cd2+ and lfa-3+ cells.
<b>Form</b>	Each mg of CD58 contains 0.8mg sucrose, 0.3mg glycine, 0.25mg sodium citrate dihydrate, and 4g citric acid monohydrate.
<b>Purity</b>	Greater than 98.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Solubility</b>	It is recommended to reconstitute the lyophilized LFA-3 Human in sterile 18Mμ-cm H2O not less than 100g/ml, which can then be further diluted to other aqueous

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solutions.

**Storage**

Lyophilized LFA3 Human although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Human LFA-3 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** [CD58 CD58 molecule \[ Homo sapiens \]](#)

**Official Symbol** [CD58](#)

**Synonyms** CD58; CD58 molecule; LFA3; LFA-3; FLJ23181; FLJ43722; surface glycoprotein LFA-3; CD58 antigen, (lymphocyte function-associated antigen 3); lymphocyte function-associated antigen 3; Ag3; Surface glycoprotein LFA-3; CD58 antigen

**Gene ID** [965](#)

**mRNA Refseq** [NM\\_001144822](#)

**Protein Refseq** [NP\\_001138294](#)

**MIM** [153420](#)

**UniProt ID** [P19256](#)

**Chromosome Location** 1p13

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<b>Pathway</b>	Cell adhesion molecules (CAMs)
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<b>Function</b>	protein binding
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