

Recombinant Human CD58 Molecule

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human
Description	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.
Form	Each mg of CD58 contains 0.8mg sucrose, 0.3mg glycine, 0.25mg sodium citrate dihydrate, and 4g citric acid monohydrate.
Purity	Greater than 98.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	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

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Pathway	Cell adhesion molecules (CAMs)
----------------	--------------------------------

Function	protein binding
-----------------	-----------------

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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