

Recombinant Human CD58, Fc-tagged therapeutic protein(Alefaccept)

Cat. No. CD58-P058H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Immunosuppressive dimeric fusion protein that consists of the extracellular CD2-binding portion of the human leukocyte function antigen-3 (LFA-3) linked to the Fc (hinge, CH2 and CH3 domains) portion of human IgG1. Produced by CHO cells, mW is 91.4 kD.
Species	Human
Source	CHO
Description	This gene encodes a member of the immunoglobulin superfamily. The encoded protein is a ligand of the T lymphocyte CD2 protein, and functions in adhesion and activation of T lymphocytes. The protein is localized to the plasma membrane. Alternatively spliced transcript variants have been described.
Molecular Mass	91.4 kD
AA Sequence	>heavy chainCFSQQIYGVVYGNVTFHVPSNVPLKEVLWKKQKDKVAELENSEFRAFFSFKNRVYLDTVSGSLTIYNLTSSDEDEYEMESPNITDTMKFFLYVLESPLSPPTLTCA LTNGSIEVQCMIPHEYNHRGLIMYSWDCPMEQCKRNSTSIYFKMENDLPQKIQCTL SNPLFNTTSSIILTTICIPSSGHSRHRALAPIPLAVITTCIVLYMNGILKCDRKPDRNTSN RVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHED PQVKFNWYVDGVQVHNAKTKPREQQYNSTYRVVSVLTVLHQNWLDGKEYKCKVS NKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEW

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ESNGQPENNYKTTPVLDSGDSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHY
 TQKSLSLSPGK>light chainMVAGSDAGRALGVLSVCLLHCFGFISCFSSQIYGVVY
 GNVTFHVPSNVPLKEVLWKKQKDKVAELENSEFRAFSSFKNRVYLDTVSGSLTIYNL
 TSSDEDEYEMESPNITDTMKFFLYVLESPLSPTLTALTNNGSIEVQCMIPHEYNHRG
 LIMYSWDCPMEQCKRNSTSIYFKMENDLPQKIQCTLSNPLFNTTSSIILTTCIPSSGHS
 RHRYALIIPLAVITTCIVLYMNGILKCDRKPDRNTSN

Endotoxin < 1.0 EU per µg of the protein

Purity >95%

Storage Can be stored at +4 centigrade short term (1-2weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Alias CD58; ag3; LFA3; LFA-3; ASP0485; BG-9273; BG-9712; BG9273; BG9712; LFA-3CD2; LFA-3TIP; LFA3TIP; Alefacept

GENE INFORMATION

Gene Name CD58 CD58 molecule [Homo sapiens]

Official Symbol CD58

Synonyms 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;

Gene ID 965

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mRNA Refseq	NM_001144822
Protein Refseq	NP_001138294
MIM	153420
UniProt ID	P19256
Chromosome Location	1p13
Pathway	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	protein binding;

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