

CD46, human recombinant

CATALOG #: 7314-100 100 µg

ALTERNATE NAMES: Membrane cofactor protein isoform 14, AHUS2, MCP, MIC10, TLX, TRA2.10

SOURCE: E. coli

PURITY: > 85% by SDS-PAGE

MOL. WEIGHT: 33.8 kDa (302 aa, 35-313 aa + His tag), confirmed by MALDI-TOF.

ENDOTOXIN LEVEL: < 1.0 EU per 1 µg of protein

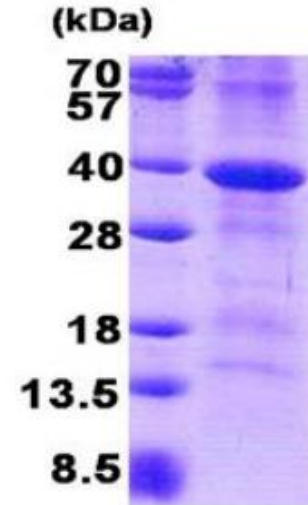
FORM: Liquid

FORMULATION: 0.5 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 M NaCl and 20% glycerol.

STORAGE CONDITIONS: Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: Membrane cofactor protein isoform 14, also known as CD46, is a type I membrane protein that has cofactor activity for inactivation of complement components C3b and C4b by serum factor I. This function resides in the complement control protein repeats (CCPs), with CCP1-4 essential for regulation. CD46 is widely distributed on thymocytes, T cells, B cells, monocytes, granulocytes, NK cells, platelets, endothelial cells, epithelial cells, fibroblasts, placenta and sperm, but not on erythrocyte. Recombinant human CD46 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AMINO ACID SEQUENCE: MGSSHHHHHH SSGLVPRGSH MGSCEEPPTF
 EAMELIGKPK PYYEIGERVD YKCKKGYFYI PPLATHITCD RNHTWLPVSD
 DACYRETCPY IRDPLNGQAV PANGTYEFGY QMHFICNEGY YLIGEEILYC
 ELKGSVAIWS GKPPICEKVL CTPPPKIKNG KHTFSEVEVF EYLDAVTYSC
 DPAPGPDFFS LIGESTIYCG DNSVWSRAAP ECKVVKCRFP VVENGKQISG
 FGKKFYYKAT VMFECDKGFY LDGSDTIVCD SNSTWDPPVP KCLKGPRPTY
 KPPVSNYPGY PKPEEGILDS LD



15% SDS-PAGE (3µg)
 CD46, human recombinant

RELATED PRODUCTS:

- CD1E, human recombinant (Cat. No. 7308-100)
- CD200, human recombinant (Cat. No. 7309-100)
- CD226, human recombinant (Cat. No. 7310-100)
- CD274, mouse recombinant (Cat. No. 7311-100)
- CD300C, human recombinant (Cat. No. 7312-100)
- CD3G, human recombinant (Cat. No. 7313-100)
- CD5, human recombinant (Cat. No. 7315-100)
- CD7, human recombinant (Cat. No. 7316-100)
- CD74, human recombinant (Cat. No. 7317-100)
- CD79B, human recombinant (Cat. No. 7318-100)
- CD84, human recombinant (Cat. No. 7319-100)
- CD8B, human recombinant (Cat. No. 7320-100)

FOR RESEARCH USE ONLY! Not to be used in humans.