

## 32-13107: CD46 Human, Sf9

**Alternative Name :** AHUS2, MCP, MIC10, TLX, TRA2.10, Membrane cofactor protein, Trophoblast leukocyte common antigen, CD46.

### Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

Membrane cofactor protein isoform 14 (CD46), is a type I membrane protein which 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 vital for regulation. CD46 is also involved in the fusion of the spermatozoa with the oocyte during fertilization. CD46 is common in thymocytes, T cells, B cells, monocytes, granulocytes, NK cells, platelets, endothelial cells, epithelial cells, fibroblasts, placenta and sperm.

CD46 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 268 amino acids (35-313 aa) and having a molecular mass of 32.5kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). CD46 is fused to 6 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** CD46 protein solution (0.5mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** ADLCEEPPTF EAMELIGKPK PYEIGERVD YKCKKGYFYI PPLATHTICD RNHTWLPVSD  
DACYRETCPY IRDPLNGQAV PANGTYEFGY QMHFICNEGY YLIGEEILYC ELKGSVAIWS  
GKPPICEKVL CTPPPKIKNG KHTFSEVEVF EYLDAVTYSC DPAPGPD PFS LIGESTIYCG  
DNSVWSRAAP ECKVVKCRFP VVENGKQISG FGKKFYKAT VMFECDKGFY LDGSDTIVCD  
SNSTWDPPVP KCLKGPRPTY KPPVSNYPGY PKPEEGILDS LDHHHHHH