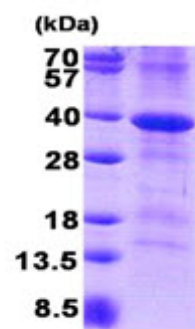


AR50860PU-S

Human CD46 / MCP (35-313, His-tag) - Purified

Alternate names:	MIC10, Membrane cofactor protein, TLX, Trophoblast leukocyte common antigen
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P15529
NCBI:	NP_758860
GeneID:	4179
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol
Description:	Recombinant human CD46 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SGLVPRGSH MGSCEPPTF EAMELIGKPK PYEIGERVD YKCKKGYFYI PPLATHICD RNHTWLPVSD DACYRETCPY IRDPLNGQAV PANGTYEFGY QMHFICNEGY YLIGEEILYC ELKGSVAIWS GKPPICEKVL CTPPPKIKNG KHTFSEVEVF EYLDVAVTSC DPAPGDPFVS LIGESTIYCG DNSVWSRAAP ECKVVKCRFP VVENGKQISG FGKKFYKAT VMFECDKGFY LDGSDTIVCD SNSTWDPPVP KCLKGPRPTY KPPVSNYPGY PKPEEGILDS LD Molecular weight: 33.8 kDa (302aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Riley R C., et al. (2002) Mol Reprod Dev. 62:534-546. Iwata K., et al. (1995) J Biol Chem. 270:15148-15152.

Pictures:



15% SDS-PAGE (3ug)