

Human CD46 (Sushi Domain2-4) Protein



Cat. No. CD4-HM1D1

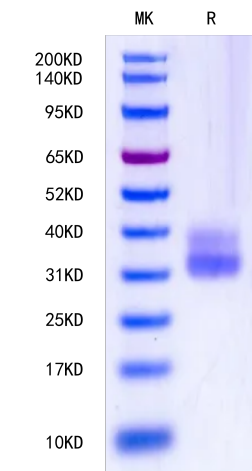
Description	
Source	Recombinant Human CD46 (Sushi Domain2-4) Protein is expressed from HEK293 with His tag at the C-terminus. It contains Glu97-Lys285.
Accession	P15529-1
Molecular Weight	The protein has a predicted MW of 22.66 kDa. Due to glycosylation, the protein migrates to 28-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
CD46 was discovered in 1986 during a search for novel C3b-binding proteins. CD46 is expressed ubiquitously and functions as a co-factor in the factor I-mediated proteolytic cleavage of C3b and C4b. Its vital role in preventing complement deposition on host tissue is underpinned by the fact that deficiency of CD46 is a predisposing factor for numerous disease conditions arising from complement-mediated 'self-attack'.	

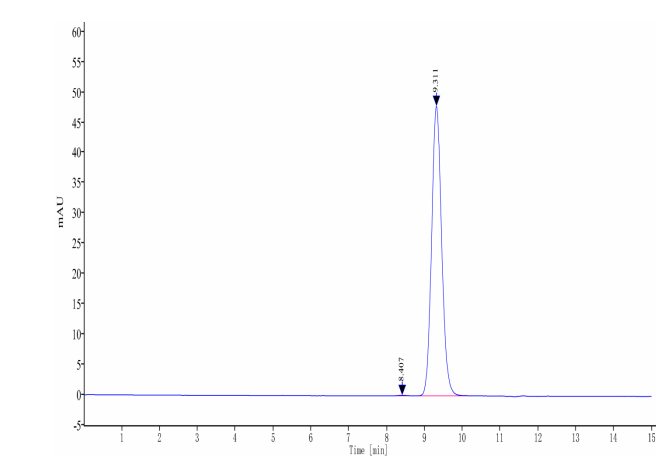
Assay Data

Bis-Tris PAGE



Human CD46 (Sushi Domain2-4) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human CD46 (Sushi Domain2-4) is greater than 95% as determined by SEC-HPLC.