

32-17119: Recombinant human CD46 Protein with C-6xHis tag

Alternative Name : CD46,AHUS2,MCP,MIC10,TLX,TRA2.10

Description

Expression Host : HEK293

The protein has a predicted molecular mass of 33.5 kDa after removal of the signal peptide. The apparent molecular mass of CD46-His is approximately 55-70 kDa due to glycosylation.

The protein encoded by this gene is a type I membrane protein and is a regulatory part of the complement system. The encoded protein has cofactor activity for inactivation of complement components C3b and C4b by serum factor I, which protects the host cell from damage by complement. In addition, the encoded protein can act as a receptor for the Edmonston strain of measles virus, human herpesvirus-6, and type IV pili of pathogenic *Neisseria*. Finally, the protein encoded by this gene may be involved in the fusion of the spermatozoa with the oocyte during fertilization. Mutations at this locus have been associated with susceptibility to hemolytic uremic syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.

Product Info

Amount :	50 µg
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage condition :	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

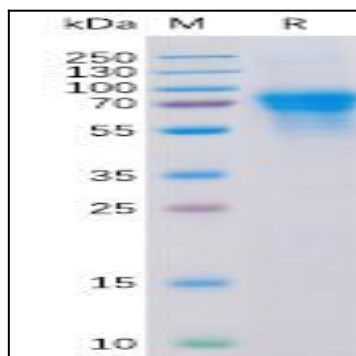


Figure 1. Human CD46 Protein, His Tag on SDS-PAGE under reducing condition.