CD46 (Human) Recombinant Protein

Catalog # P9088 Size 20 ug

Specification

Product Description	Human CD46 (P15529, 35 a.a. - 313 a.a.) partial-length recombinant protein with His tag at N-Terminus expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMGSCEEPPTFEAMELIGKPKPYYEIGERVDYKCKKGYFYIPPLATHTICDRNHTWLPVSDDACYRETCPYIRDPLNGQAVPANGTYEFGYQMHFICNEGYYLIGEEILYCELKGSVAIWSGKPPICEKVLCTPPPKIKNGKHTFSEVEVFEYLDAVTYSCDPAPGPDPFSLIGESTIYCGDNSVWSRAAPECKVVKCRFPVVENGKQISGFGKKFYYKATVMFECDKGFYLDGSDTIVCDSNSTWDPPVPKCLKGPRPTYKPPVSNYPGYPKPEEGILDSLD.
Host	Escherichia coli
Theoretical MW (kDa)	33.8
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 85% by SDS-PAGE.
Storage Buffer	20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 20% glycerol.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- SDS-PAGE

Gene Info — CD46

Entrez GeneID	4179
Protein Accession#	P15529

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Gene Name	CD46
Gene Alias	MCP, MGC26544, MIC10, TLX, TRA2.10
Gene Description	CD46 molecule, complement regulatory protein
Omim ID	120920 235400
Gene Ontology	Hyperlink
Gene Summary	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. This gene is found in a cluster on chromosome 1q32 with other genes encoding structural components of the complement system. At least fourteen different transcript variants encoding fourteen different isoforms have been found for this gene. [provided by RefSeq
Other Designations	CD46 antigen, complement regulatory protein|OTTHUMP00000034577|OTTHUMP00000034622|OTTHUMP00000034623|OTTHUMP00000034624|OTTHUMP00000034625|OTTHUMP00000034626|OTTHUMP00000034706|antigen identified by monoclonal antibody TRA-2-10|complement membrane cofacto

Pathway

- Complement and coagulation cascades

Disease

- Abortion
- Birth Weight
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hemolytic-Uremic Syndrome
- Leukemia
- Lymphoma

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- Macular Degeneration
- Meningeal Neoplasms
- Meningioma
- Recurrence

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