



Recombinant Protein Technical Manual

Recombinant Human CFHR1 Protein (His Tag)

RPES1867

Product Data:

Product SKU: RPES1867

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q03591

Protein Information:

Molecular Mass: 36.8 kDa

AP Molecular Mass: 39-43 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 2mM EDTA, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Complement Factor H-Related Protein 1; FHR; H Factor-Like Protein 1; H-Factor-Like 1; H36; CFHR1; CFHL; CFHL1; CFHL1P; CFHR1P; FHR1; HFL1; HFL2

Immunogen Information:

Sequence: Glu19-Arg330

Background:

Complement Factor H-Related 1 (CFHR1) is a 43 kDa secreted member of the factor H family of glycoproteins. The human Complement Factor H protein family consists of the complement and immune regulators factor H, the factor H-like protein 1 (FHL) and five factor H-related proteins (CFHR to -5). Members of the H-related protein family are exclusively composed of individually folded protein domains, termed short consensus repeats (SCRs) or complement control modules. FHR1 is produced by hepatocytes and circulates as two differentially glycosylated isoforms (37 kDa and 43 kDa). Mature human FHR1 is 312 amino acids in length. It contains five, approximately 60 aa SCRs that basically constitute the entire molecule. FHR1 may play a role in complement regulation, lipid metabolism and lipoprotein complexes that bind PMNs to LPS.