



Recombinant Protein Technical Manual

Recombinant Human CFHR5 Protein (His Tag)

RPES0933

Product Data:

Product SKU: RPES0933

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9BXR6

Protein Information:

Molecular Mass: 63.5 kDa

AP Molecular Mass: 61 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % 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,pH7.4.

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

Application:

Synonyms: Complement factor H-related protein 5;CFHR5;CFHL5;FHR5

Immunogen Information:

Sequence: Glu19-Glu569

Background:

Complement factor H-related protein 5 (FHR-5 for short), is a secreted protein which contains 9 Sushi (CCP/SCR) domains. It is expressed by the liver and secreted in plasma. The pattern of the deposits is similar to other complement components, suggesting that FHR-5 may play a role in complement activation and regulation. Defects in CFHR5 have been found in patients with atypical hemolytic uremic syndrome and may contribute to the disease. In contrast to typical hemolytic uremic syndrome, atypical forms have a poorer prognosis, with higher death rates and frequent progression to end-stage renal disease.