

# Product datasheet for KN220707LP

## Factor H (CFH) Human Gene Knockout Kit (CRISPR)

### **Product data:**

#### **Product Type:** Knockout Kits (CRISPR) Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control Donor DNA: Luciferase-Puro Factor H Symbol: 3075 Locus ID: **KN220707G1**, Factor H gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **Components:** KN220707G2, Factor H gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN220707LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. GE100003, scramble sequence in pCas-Guide vector **Disclaimer:** These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process. NM 000186, NM 001014975 RefSeq: **UniProt ID:** P08603 Synonyms: AHUS1; AMBP1; ARMD4; ARMS1; CFHL3; FH; FHL1; HF; HF1; HF2; HUS Summary: This gene is a member of the Regulator of Complement Activation (RCA) gene cluster and encodes a protein with twenty short consensus repeat (SCR) domains. This protein is secreted into the bloodstream and has an essential role in the regulation of complement activation, restricting this innate defense mechanism to microbial infections. Mutations in this gene have been associated with hemolytic-uremic syndrome (HUS) and chronic hypocomplementemic nephropathy. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Oct 2011]

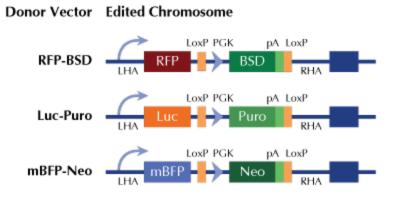


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### **Product images:**



RFP, Luc, and mBFP will be under native gene promoter

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