

Product datasheet for **TP727022**

Cfh Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Protein beta-1-H/CFH(C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ser875-Val1252
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20 mM Tris,150mM NaCl,pH8.0.
Note:	Recombinant Mouse Complement factor H is produced by our Mammalian expression system and the target gene encoding Ser875-Val1252 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	12628
UniProt ID:	P06909
Synonyms:	Complement factor H;Protein beta-1-H;CFH
Summary:	Complement factor H(CFH) is a 155 kDa glycoprotein that functions as a cofactor in the inactivation of C3b by factor I. It also increases the rate of dissociation of the C3bBb complex (C3 convertase) and the (C3b)NBB complex (C5 convertase) in the alternative complement pathway. CFH expressed by the liver and secreted in plasma. This recombinant protein corresponds to SCR15-20 which encompass the primary binding sites for heparin and C3b as well as for the peptide hormone adrenomedullin. Within SCR15-20, mouse Factor H shares 60% and 80% amino acid sequence identity with human and rat Factor H, respectively. Dozens of mutations clustered in SCR15-20 are associated with atypical hemolytic uremic syndrome, a disorder characterized by anemia, thrombocytopenia, and renal failure.



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