

## Product datasheet for **TP720693M**

### CFHL1 (CFHR1) (NM\_002113) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human complement factor H-related 1 (CFHR1)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Glu19-Arg330
Tag:	C-6His
Predicted MW:	36.78 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 $\mu$ m filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/ $\mu$ g of protein (< 1 EU/ $\mu$ g)
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 $\mu$ g/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_002104</a>
Locus ID:	3078
UniProt ID:	<a href="#">Q03591</a>
RefSeq Size:	1312
Cytogenetics:	1q31.3
RefSeq ORF:	990
Synonyms:	CFHL; CFHL1; CFHL1P; CFHR1P; FHR-1; FHR1; H36; H36-1; H36-2; HFL1; HFL2



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**Summary:**

This gene encodes a secreted protein belonging to the complement factor H protein family. It binds to *Pseudomonas aeruginosa* elongation factor Tuf together with plasminogen, which is proteolytically activated. It is proposed that Tuf acts as a virulence factor by acquiring host proteins to the pathogen surface, controlling complement, and facilitating tissue invasion. Mutations in this gene are associated with an increased risk of atypical hemolytic-uremic syndrome. [provided by RefSeq, Oct 2009]

**Protein Families:**

Secreted Protein