

Full-Length

CFH (Human) Recombinant Protein (P01)

Catalog # H00003075-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CFH full-length ORF (AAH37285, 20 a.a. - 449 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

DCNELPPRRNTEILTGSWSDQTYPEGTQAIYKCRPGYRSLGNVIMVCRKGEWVALNPLRKQCQKRP
CGHPGDTPFGTFTLTGGNVFEYGVKAVYTCNEGYQLLGEINYRECDTDGWTNDIPICEVVKCLPVT
APENGKIVSSAMEPDREYHFGQAVRFVCNSGYKIEGDEEMHCSDDGFWSKEKPKCVEISCKSP
DVINGSPISQKIYKENERFQYKCNMGYEYSERGDAVCTESGWRPLPSCEEKSCDNPYIPNGDYSP
LRIKHRTGDEITYQCRNGFYPATRGNTAKCTSTGWIPAPRCTLKPCDYPDIKHGGLYHENMRRPYF
PVAVGKYYSYCDEHFETPSGSYWDHIHCTQDGWSPAVPCLRKCYFPYLENGYNQNYGRKFVQG
KSIDVACHPGYALPKAQTTVTCMENGWSPTPRCIRVSFTL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

73.04

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CFH

Entrez GeneID [3075](#)

GeneBank Accession# [BC037285](#)

Protein Accession# [AAH37285](#)

Gene Name CFH

Gene Alias ARMD4, ARMS1, CFHL3, FH, FHL1, HF, HF1, HF2, HUS, MGC88246

Gene Description complement factor H

Omim ID [134370](#) [235400](#) [609814](#) [610698](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations H factor 1 (complement)|H factor 2 (complement)|OTTHUMP00000033598|age-related maculopathy susceptibility 1|beta-1-H-globulin|beta-1H|complement factor H, isoform b|factor H|factor H-like 1

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Alport syndrome](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Ataxia telangiectasia](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Blindness](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Accident](#)
- [Chlamydia Infections](#)
- [Chlamydophila Infections](#)
- [Choroid Diseases](#)
- [Choroidal Neovascularization](#)
- [Choroiditis](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)

- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Functional Laterality](#)
- [Genetic Predisposition to Disease](#)
- [Geographic Atrophy](#)
- [Glomerulonephritis](#)
- [Hemolytic-Uremic Syndrome](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Immune System Diseases](#)
- [Infant](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningococcal Infections](#)
- [Myocardial Infarction](#)

- [Nephritis](#)
- [Obesity](#)
- [Peripheral Vascular Diseases](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pseudoxanthoma Elasticum](#)
- [Pulmonary Disease](#)
- [Purpura](#)
- [Recurrence](#)
- [Retinal Degeneration](#)
- [Retinal Diseases](#)
- [Retinal Drusen](#)
- [Retinal Neovascularization](#)
- [Retinopathy of Prematurity](#)
- [Spinocerebellar ataxia](#)
- [Staphylococcal Infections](#)
- [Stroke](#)
- [Systemic Inflammatory Response Syndrome](#)
- [Taste](#)
- [Urinary Bladder Neoplasms](#)
- [Venous Thrombosis](#)
- [Werner syndrome](#)
- [Wet Macular Degeneration](#)