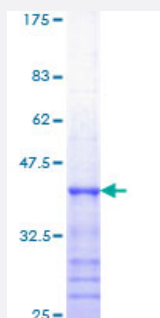


HFE (Human) Recombinant Protein (Q01)

Catalog # H00003077-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HFE partial ORF (NP_000401, 115 a.a. - 205 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SHTLQVILGCEMQEDNSTEGYWKYGYDGGQDHLEFCPDTLDWRAAEPRAWPTKLEWERHKIRAR QNRAYLERDCPAQLQQLELGRGVLDQQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.75
Interspecies Antigen Sequence	Mouse (76); Rat (78)
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 — HFE

Entrez GeneID [3077](#)

GeneBank Accession# [NM_000410](#)

Protein Accession# [NP_000401](#)

Gene Name HFE

Gene Alias HFE1, HH, HLA-H, MGC103790, dJ221C16.10.1

Gene Description hemochromatosis

Omim ID [176200](#) [235200](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a membrane protein that is similar to MHC class I-type proteins and associates with beta2-microglobulin (beta2M). It is thought that this protein functions to regulate iron absorption by regulating the interaction of the transferrin receptor with transferrin. The iron storage disorder, hereditary haemochromatosis, is a recessive genetic disorder that results from defects in this gene. At least nine alternatively spliced variants have been described for this gene. Additional variants have been found but their full-length nature has not been determined. [provided by RefSeq]

Other Designations MHC class Ilike protein HFE|hemochromatosis protein|hereditary hemochromatosis protein HLA-H

Disease

- [Abortion](#)
- [Activated Protein C Resistance](#)

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyps](#)
- [Albuminuria](#)
- [Alcoholism](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [alpha-Thalassemia](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)
- [Arteriosclerosis](#)
- [Arthralgia](#)
- [Arthritis](#)
- [Asthenia](#)
- [Atherosclerosis](#)
- [Barrett Esophagus](#)
- [beta-Thalassemia](#)
- [Birth Weight](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiomyopathies](#)
- [Cardiomyopathy](#)

- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Celiac Disease](#)
- [Cell Transformation](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Chondrocalcinosis](#)
- [Chromosome Aberrations](#)
- [Chronic Disease](#)
- [Cluster Headache](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Common Variable Immunodeficiency](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
- [Cystic fibrosis](#)
- [Diabetes](#)
- [Diabetes Complications](#)

- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [DNA Virus Infections](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fatigue](#)
- [Fatty Liver](#)
- [Fetal Death](#)
- [Fibrosis](#)
- [Flaviviridae Infections](#)
- [Gastrointestinal Hemorrhage](#)
- [Gaucher Disease](#)
- [Genetic Predisposition to Disease](#)
- [Genital Diseases](#)
- [Glomerulonephritis](#)
- [Glucose Intolerance](#)
- [Heart Diseases](#)
- [Heart Failure](#)
- [Hematologic Diseases](#)

- [Hematologic Neoplasms](#)
- [Hemochromatosis](#)
- [Hemoglobinopathies](#)
- [Hemosiderosis](#)
- [Hepatic Veno-Occlusive Disease](#)
- [Hepatitis](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hepatolenticular Degeneration](#)
- [Hereditary hemochromatosis](#)
- [HIV Infections](#)
- [HIV-Associated Lipodystrophy Syndrome](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Hyperthyroidism](#)
- [Hypertriglyceridemia](#)
- [Hypertrophy](#)
- [Hypothyroidism](#)
- [IgG Deficiency](#)
- [Ileus](#)
- [Infection](#)
- [Infertility](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Intracranial Arteriosclerosis](#)
- [Intracranial Thrombosis](#)

- [Inversion](#)
- [Iron Metabolism Disorders](#)
- [Iron Overload](#)
- [Joint Diseases](#)
- [Kidney Failure](#)
- [Leiomyoma](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Liver Failure](#)
- [Liver Neoplasms](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Malaria](#)
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- [Myeloproliferative Disorders](#)

- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
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- [Osteoarthritis](#)
- [Osteoporosis](#)
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- [Papillomavirus Infections](#)
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- [Parkinsonian Disorders](#)
- [Peripheral Nervous System Diseases](#)
- [Pigmentation Disorders](#)
- [Polycythemia Vera](#)
- [Porphyria](#)
- [Porphyria Cutanea Tarda](#)
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- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
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- [Pseudomonas Infections](#)
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- [Radiation Injuries](#)

- [Rheumatic Diseases](#)
- [Siderosis](#)
- [Skin Neoplasms](#)
- [Splenomegaly](#)
- [Stroke](#)
- [Substance-Related Disorders](#)
- [Syndrome](#)
- [Thalassemia](#)
- [Thrombocythemia](#)
- [Thrombophilia](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Uterine Neoplasms](#)
- [Varicose Ulcer](#)
- [Vascular Diseases](#)
- [Ventricular Dysfunction](#)
- [Werner syndrome](#)