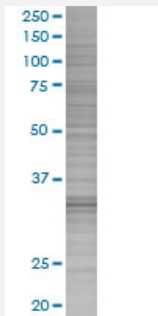


HP 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003240-T01

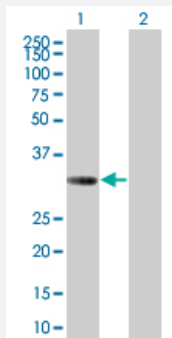
Size 100 uL

Applications



SDS-PAGE Gel

HP transfected lysate.



Western Blot

Lane 1: HP transfected lysate (31.02 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-HP full-length
Host	Human
Theoretical MW (kDa)	31.02
Interspecies Antigen Sequence	Mouse (82); Rat (81)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-HP antibody ([H00003240-B01](#)) by Western Blots.
SDS-PAGE Gel
HP transfected lysate.
Western Blot
Lane 1: HP transfected lysate (31.02 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

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

Applications

- Western Blot

Gene Info — HP

Entrez GeneID[3240](#)**GeneBank Accession#**[BC070299.1](#)**Protein Accession#**

-

Gene Name

HP

Gene Alias

BP, HP2-ALPHA-2, HPA1S, MGC111141

Gene Description

haptoglobin

Omim ID[140100](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a preproprotein, which is processed to yield both alpha and beta chains, which subsequently combine as a tetramer to produce haptoglobin. Haptoglobin functions to bind free plasma hemoglobin, which allows degradative enzymes to gain access to the hemoglobin, while at the same time preventing loss of iron through the kidneys and protecting the kidneys from damage by hemoglobin. Mutations in this gene and/or its regulatory regions cause ahaptoglobinemia or hypohaptoglobinemia. This gene has also been linked to diabetic nephropathy, the incidence of coronary artery disease in type 1 diabetes, Crohn's disease, inflammatory disease behavior, primary sclerosing cholangitis, susceptibility to idiopathic Parkinson's disease, and a reduced incidence of Plasmodium falciparum malaria. A similar duplicated gene is located next to this gene on chromosome 16. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

binding peptide|haptoglobin alpha(1S)-beta|haptoglobin alpha(2FS)-beta|haptoglobin, alpha polypeptide|haptoglobin, beta polypeptide

Disease

- [Abortion](#)
- [Albuminuria](#)
- [alpha-Thalassemia](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Ascorbic Acid Deficiency](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Celiac Disease](#)
- [Chagas Cardiomyopathy](#)
- [Chagas Disease](#)
- [Cholangitis](#)
- [Colitis](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)

- [Coronary Thrombosis](#)
- [Crohn Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Edema](#)
- [Epilepsy](#)
- [Fatty Liver](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)

- [Lymphoma](#)
- [Malaria](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Parasitemia](#)
- [Parkinson disease](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Proteinuria](#)
- [Schizophrenia](#)
- [Seizures](#)
- [Sickle Cell Trait](#)
- [Sleep Apnea](#)
- [Stroke](#)
- [Thalassemia](#)
- [Trachoma](#)
- [Uterine Cervical Neoplasms](#)