

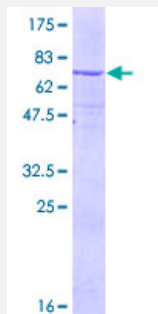
Full-Length

EPHX1 (Human) Recombinant Protein (P01)

Catalog # H00002052-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EPX1 full-length ORF (AAH03567.1, 1 a.a. - 455 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MWLEILLTSVLGFAYWFIISRDKEETLPLEDGWWGPGTRSAAREDDSIKPFKVETSDEEIHDLHQRI
DKFRFTPPLEDSCFHYGFNSNYLKKVISYWRNEFDWKKQVEILNRYPHFKTKIEGLDIHFHVKPPQ
LPAGHTPKPLLMVHGWPFSFYEFYKIIPLLTDPKNHGLSDEHVFVVICPSIPGYGFSEASSKKGFN
SVATARIFYKLMLRLGFQEFYIQGGDWGSLICTNMAQLVPSHVKGHLNLMALVLSNFSSTLTLLGQ
RFGRLGLTERDVELLYPVKEKVFYSLMRESGYMHIQCTKPDTVGSALNDSPVGLAAYLEKFSTW
TNTEFRYLEDGGLERKFSLDLLTNVMLYWTGTIISQRFYKENLGQGWMTQKHERMKVYVPTG
FSAFPFELLHTPEKWVRFKYPKLISYSYMVRGGHFAAFEEPELLAQDIRKFLSVLERQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

79.3

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 — EPHX1

Entrez GeneID [2052](#)

GeneBank Accession# [BC003567.1](#)

Protein Accession# [AAH03567.1](#)

Gene Name EPHX1

Gene Alias EPHX, EPOX, MEH

Gene Description epoxide hydrolase 1, microsomal (xenobiotic)

Omim ID [132810 189800](#)

Gene Ontology [Hyperlink](#)

Gene Summary Epoxide hydrolase is a critical biotransformation enzyme that converts epoxides from the degradation of aromatic compounds to trans-dihydrodiols which can be conjugated and excreted from the body. Epoxide hydrolase functions in both the activation and detoxification of epoxides. Mutations in this gene cause preeclampsia, epoxide hydrolase deficiency or increased epoxide hydrolase activity. Alternatively spliced transcript variants encoding the same protein have been found for this gene

Other Designations OTTHUMP00000035867|epoxide hydratase|epoxide hydrolase 1|microsomal epoxide hydrolase

Pathway

- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Abnormalities](#)
- [Abruptio Placentae](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Anemia](#)
- [Anoxia](#)
- [Asbestosis](#)
- [Asthma](#)
- [Birth Weight](#)
- [Bone Diseases](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchitis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Chromosome Aberrations](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)

- [Cocarcinogenesis](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Craniofacial Abnormalities](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [DNA Damage](#)
- [Drug Hypersensitivity](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Emphysema](#)
- [Endometriosis](#)
- [Epidermal Necrolysis](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Exanthema](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)

- [HELLP Syndrome](#)
- [Hemorrhage](#)
- [Hepatitis](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hodgkin Disease](#)
- [Hypercapnia](#)
- [Hypertension](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leber hereditary optic neuropathy](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningioma](#)
- [Mesothelioma](#)
- [Micronuclei](#)
- [Microsatellite Instability](#)
- [Mouth Abnormalities](#)

- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Neurotoxicity Syndromes](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Optic Atrophy](#)
- [Oropharyngeal Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Diseases](#)
- [Pancreatic Neoplasms](#)
- [Pancreatitis](#)
- [Papillomavirus Infections](#)
- [Parkinson disease](#)
- [Pharyngeal Neoplasms](#)
- [Pleural Neoplasms](#)
- [Pneumonia](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)

- [Premature Birth](#)
- [Prenatal Exposure Delayed Effects](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Recurrence](#)
- [Respiratory Tract Diseases](#)
- [Skin Diseases](#)
- [Stevens-Johnson Syndrome](#)
- [Stomach Neoplasms](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)
- [Tumor Virus Infections](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Warts](#)
- [Werner syndrome](#)