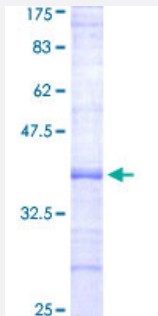


EPHX2 (Human) Recombinant Protein (Q01)

Catalog # H00002053-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EPHX2 partial ORF (NP_001970, 456 a.a. - 555 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KSGFRGPLNWYRNMERNWKWACKSLGRKILPALMVTAEKDFVLVPQMSQHMEDWIPHLKRGHI EDCGHWTQMDKPTEVNQILIKWLDSDARNPPVVSKM
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (78); 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 — EPHX2

Entrez GeneID [2053](#)

GeneBank Accession# [NM_001979](#)

Protein Accession# [NP_001970](#)

Gene Name EPHX2

Gene Alias CEH, SEH

Gene Description epoxide hydrolase 2, cytoplasmic

Omim ID [132811](#) [143890](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the epoxide hydrolase family. The protein, found in both the cytosol and peroxisomes, binds to specific epoxides and converts them to the corresponding dihydro diols. Mutations in this gene have been associated with familial hypercholesterolemia. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq]

Other Designations epoxide hydratase|epoxide hydrolase 2, cytosolic|epoxide hydrolase, soluble

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)
- [Tetrachloroethene degradation](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Accident](#)
- [Chronic Disease](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Head and Neck Neoplasms](#)
- [Hypertension](#)
- [Infection](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Ischemia](#)

- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Ischemia](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Parkinson disease](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Pulmonary Disease](#)
- [Skin Diseases](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)