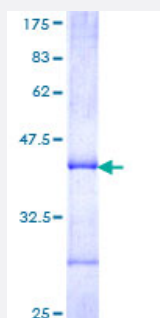


CYP2J2 (Human) Recombinant Protein (Q01)

Catalog # H00001573-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CYP2J2 partial ORF (NP_000766, 408 a.a. - 498 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LHRDPTEWATPDTFNPDHFLENGQFKKREAFMPFSIGKRACLGELARTELFIFFTSLMQKFTFR PPNNEKLSLKFRMGITISPVSHRLCA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.75
Interspecies Antigen Sequence	Mouse (85); Rat (85)
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 — CYP2J2

Entrez GeneID	1573
GeneBank Accession#	NM_000775
Protein Accession#	NP_000766
Gene Name	CYP2J2
Gene Alias	CPJ2
Gene Description	cytochrome P450, family 2, subfamily J, polypeptide 2
Omim ID	601258
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic re ticulum and is thought to be the predominant enzyme responsible for epoxidation of endogenous arachidonic acid in cardiac tissue. [provided by RefSeq
Other Designations	OTTHUMP00000010550 arachidonic acid epoxygenase cytochrome P450, subfamily IIJ (arachid onic acid epoxygenase) polypeptide 2 flavoprotein-linked monooxygenase microsomal monooxyg enase

Pathway

- [Arachidonic acid metabolism](#)
- [Linoleic acid metabolism](#)

- [Metabolic pathways](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Body Weight](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Obesity](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)