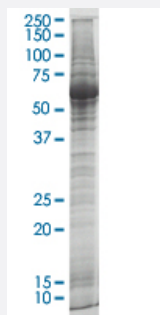


CYP2J2 HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

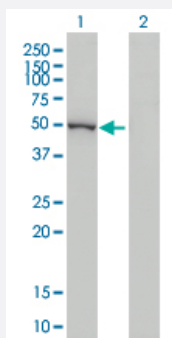
Catalog # L052T6 Size 100 ug

Applications



SDS-PAGE Gel

CYP2J2 transfected lysate



Western Blot

Lane 1: CYP2J2 transfected lysate (58 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-CYP2J2 full length
Host	Human
Theoretical MW (kDa)	58
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CYP2J2 antibody ([H00001573-M01](#)) by Western Blots.
SDS-PAGE Gel
CYP2J2 transfected lysate
Western Blot
Lane 1: CYP2J2 transfected lysate (58 KDa).
Lane 2: Non-transfected lysate.

Recommend Usage

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Storage Buffer

In modified RIPA Lysis Buffer.

Storage Instruction

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

Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

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 reticulum 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 (arachidonic acid epoxygenase) polypeptide 2|flavoprotein-linked monooxygenase|microsomal monooxygenase

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](#)