

Recombinant Human CYP2J2 293 Cell Lysate

Cat. No. CYP2J2-7110HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for cytochrome P450, family 2, subfamily J, polypeptide 2 (CYP2J2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

CYP2J2 cytochrome P450, family 2, subfamily J, polypeptide 2 [Homo sapiens]

Official Symbol

CYP2J2

Synonyms

CYP2J2; cytochrome P450, family 2, subfamily J, polypeptide 2; cytochrome P450, subfamily IIJ (arachidonic acid epoxygenase) polypeptide 2; cytochrome P450 2J2; CYP11J2; microsomal monooxygenase; arachidonic acid epoxygenase; flavoprotein-linked monooxygenase; CPJ2;

Gene ID

1573

mRNA Refseq

NM_000775

Protein Refseq

NP_000766

MIM

601258

UniProt ID

P51589

Chromosome Location

1p31.3-p31.2

Pathway

Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Biological oxidations, organism-specific biosystem; Cytochrome P450 - arranged by substrate type, organism-specific

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

biosystem; Fatty acids, organism-specific biosystem; Linoleic acid metabolism, organism-specific biosystem; Linoleic acid metabolism, conserved biosystem;

Function

arachidonic acid 11,12-epoxygenase activity; arachidonic acid 14,15-epoxygenase activity; arachidonic acid epoxygenase activity; aromatase activity; electron carrier activity; heme binding; linoleic acid epoxygenase activity; metal ion binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA