Recombinant Human CYP4F22 293 Cell Lysate

Cat. No. CYP4F22-7101HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for cytochrome P450, family 4, subfamily F, polypeptide 22 (CYP4F22) 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.

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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	CYP4F22 cytochrome P450, family 4, subfamily F, polypeptide 22 [Homo sapiens]
Official Symbol	CYP4F22
Synonyms	CYP4F22; cytochrome P450, family 4, subfamily F, polypeptide 22; cytochrome P450 4F22; FLJ39501; cytochrome P450, family 2, subfamily E, polypeptide 2 homolog; LI3;
Gene ID	126410
mRNA Refseq	NM_173483
Protein Refseq	NP_775754
MIM	611495
UniProt ID	Q6NT55
Chromosome Location	19p13.12
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	electron carrier activity; heme binding; metal ion binding; monooxygenase activity;

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	oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen;

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