Recombinant Human FMO2 293 Cell Lysate

Cat. No. FMO2-6183HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for flavin containing monooxygenase 2 (non-functional) (FMO2) 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	FMO2 flavin containing monooxygenase 2 (non-functional) [Homo sapiens]
Official Symbol	FMO2
Synonyms	FMO2; flavin containing monooxygenase 2 (non-functional); flavin containing monooxygenase 2; dimethylaniline monooxygenase [N-oxide-forming] 2; FMO 2; FMO 1B1; FMO, pulmonary; dimethylaniline oxidase 2; pulmonary flavin-containing monooxygenase 2; FMO1B1; FLJ40826;
Gene ID	2327
mRNA Refseq	NM_001460
Protein Refseq	NP_001451
MIM	603955
UniProt ID	Q99518
Chromosome Location	1q24.3
Pathway	Biological oxidations, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; FMO oxidizes nucleophiles, organism-specific biosystem; Metabolism,

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	organism-specific biosystem; Phase 1 - Functionalization of compounds, organism-specific biosystem; nicotine degradation II, organism-specific biosystem;
Function	N,N-dimethylaniline monooxygenase activity; NADP binding; flavin adenine dinucleotide binding; monooxygenase activity;

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