Recombinant Human UGT1A1 293 Cell Lysate

Cat. No. UGT1A1-513HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for UDP glucuronosyltransferase 1 family, polypeptide A1 (UGT1A1) 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	UGT1A1 UDP glucuronosyltransferase 1 family, polypeptide A1 [Homo sapiens]
Official Symbol	UGT1A1
Synonyms	UGT1A1; UDP glucuronosyltransferase 1 family, polypeptide A1; GNT1, UDP glycosyltransferase 1 family, polypeptide A1 , UGT1; UDP-glucuronosyltransferase 1-1; UGT1A; UGT-1A; UGT1*1; UGT1.1; UGT1-01; UDP-glucuronosyltransferase 1-A; UDP-glucuronosyltransferase 1A1; bilirubin-specific UDPGT isozyme 1; bilirubin UDP-glucuronosyltransferase 1-1; bilirubin UDP-glucuronosyltransferase isozyme 1; UDP glycosyltransferase 1 family, polypeptide A1; GNT1; UGT1; UDPGT; HUG-BR1; BILIQTL1; UDPGT 1-1;
Gene ID	54658
mRNA Refseq	NM_000463
Protein Refseq	NP_000454
MIM	191740
UniProt ID	P22309
Chromosome Location	2q37

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Pathway	Ascorbate and aldarate metabolism, organism-specific biosystem; Ascorbate and aldarate metabolism, conserved biosystem; Ascorbate biosynthesis, animals, glucose-1P =>ascorbate, organism-specific biosystem; Ascorbate biosynthesis, animals, glucose-1P => ascorbate, conserved biosystem; Biological oxidations, organism-specific biosystem;

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