

Recombinant Human UGT1A1 293 Cell Lysate

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

SPECIFICATION

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.
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

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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
Pathway	Ascorbate and aldarate metabolism, organism-specific biosystem; Ascorbate and aldarate metabolism, conserved biosystem; Ascorbate biosynthesis, animals,

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

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