Recombinant Human UGP2 293 Cell Lysate

Cat. No. UGP2-514HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for UDP-glucose pyrophosphorylase 2 (UGP2), transcript variant 2 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	UGP2 UDP-glucose pyrophosphorylase 2 [Homo sapiens]
Official Symbol	UGP2
Synonyms	UGP2; UDP-glucose pyrophosphorylase 2; UDP glucose pyrophosphorylase 1 , UGP1; UTP--glucose-1-phosphate uridylyltransferase; UGPP1; UDPGP; UGPase 2; UDP-glucose diphosphorylase; UDP-glucose pyrophosphorylase 1; UTP-glucose-1-phosphate uridyltransferase; UTP--glucose-1-phosphate uridylyltransferase 2; uridyl diphosphate glucose pyrophosphorylase 2; UDPG; UGP1; UGPP2; UDPGP2; pHC379;
Gene ID	7360
mRNA Refseq	NM_001001521
Protein Refseq	NP_001001521
MIM	191760
UniProt ID	Q16851
Chromosome Location	2p14-p13
Pathway	Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino

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	sugar and nucleotide sugar 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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