

Recombinant Human UGP2 293 Cell Lysate

Cat. No. UGP2-515HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for UDP-glucose pyrophosphorylase 2 (UGP2), transcript variant 1 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

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 uridylyltransferase; UTP--glucose-1-phosphate uridylyltransferase 2; uridyl diphosphate glucose pyrophosphorylase 2; UDPG; UGP1; UGPP2; UDPGP2; pHC379;

Gene ID

7360

mRNA Refseq

NM_006759

Protein Refseq

NP_006750

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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