Recombinant Human SUCLG2 293 Cell Lysate

Cat. No. SUCLG2-1365HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for succinate-CoA ligase, GDP-forming, beta subunit (SUCLG2) 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	SUCLG2 succinate-CoA ligase, GDP-forming, beta subunit [Homo sapiens]
Official Symbol	SUCLG2
Synonyms	SUCLG2; succinate-CoA ligase, GDP-forming, beta subunit; succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial; SCS-betaG; succinyl-CoA synthetase beta-G chain; succinyl-CoA synthetase, beta-G chain; GTP-specific succinyl-CoA synthetase beta subunit; GTP-specific succinyl-CoA synthetase subunit beta; succinyl-CoA ligase, GDP-forming, beta chain, mitochondrial; GBETA;
Gene ID	8801
mRNA Refseq	NM_001177599
Protein Refseq	NP_001171070
MIM	603922
UniProt ID	Q96I99
Chromosome Location	3p14.3
Pathway	Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Citrate cycle, second carbon oxidation, 2-oxoglutarate

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