

Recombinant Human DHGPSL 293 Cell Lysate

Cat. No. DHGPSL-6947HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for dihydrodipicolinate synthase-like, mitochondrial (DHGPSL), nuclear gene encoding mitochondrial protein, 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

HOGA1?4-hydroxy-2-oxoglutarate aldolase 1 [?Homo sapiens?(human)]

Official Symbol

DHDPSL

Synonyms

HOGA1; 4-hydroxy-2-oxoglutarate aldolase 1; HP3; NPL2; DHDPS2; DHDPSL; C10orf65; 4-hydroxy-2-oxoglutarate aldolase, mitochondrial; protein 569272; DHDPS-like protein; probable KHG-aldolase; dihydrodipicolinate synthetase homolog 2; probable 2-keto-4-hydroxyglutarate aldolase; N-acetylneuraminate pyruvate lyase 2 (putative); dihydrodipicolinate synthase-like, mitochondrial; probable 4-hydroxy-2-oxoglutarate aldolase, mitochondrial; NP_001128142.1; EC 4.1.3.16; NP_612422.2

Gene ID

112817

mRNA Refseq

NM_138413

Protein Refseq

NP_612422

MIM

613597

UniProt ID

Q86XE5

Chromosome Location

10q24.2

Pathway

4-hydroxyproline degradation, conserved biosystem; Arginine and proline

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metabolism, organism-specific biosystem; Glyoxylate and dicarboxylate metabolism, organism-specific biosystem

Function

4-hydroxy-2-oxoglutarate aldolase activity; protein homodimerization activity

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