

Recombinant Human DCT 293 Cell Lysate

Cat. No. DCT-7045HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2) (DCT), 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

DCT dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2) [Homo sapiens]

Official Symbol

DCT

Synonyms

DCT; dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2); TYRP2; L-dopachrome tautomerase; DT; TRP2; dopachrome delta-isomerase; L-dopachrome Delta-isomerase; tyrosinase-related protein 2; TRP-2;

Gene ID

1638

mRNA Refseq

NM_001129889

Protein Refseq

NP_001123361

MIM

191275

UniProt ID

P40126

Chromosome Location

13q32

Pathway

Melanogenesis, organism-specific biosystem; Melanogenesis, conserved biosystem; Metabolic pathways, organism-specific biosystem; Tyrosine metabolism, organism-specific biosystem; Tyrosine metabolism, conserved biosystem;

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Function

copper ion binding; dopachrome isomerase activity; dopachrome isomerase activity; isomerase activity; metal ion binding; oxidoreductase activity;

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