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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