

Recombinant Full Length Human DCT Protein, C-Flag-tagged

Cat. No. DCT-401HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DCT Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Predicted to enable dopachrome isomerase activity. Involved in response to blue light. Located in intracellular membrane-bounded organelle and plasma membrane. Implicated in oculocutaneous albinism.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	59 kDa
AA Sequence	MSPLWWGFLLSCLGCKILPGAQGQFPRVCMTVDSL VNKECCPRLGAESANVCGSQ QGRGQCTEV RADTRP WSGPYILRNQDDRELWPRKFFHRTCKCTGNFAGYNCGDC KFGWTGPN CERKKPPVIRQNIHSLSPQEREQ FLGALDLAKKRVHPDYVITTQHWLG LLGPNGTQPQFANCSVYDFFVWLHYYSVRDTLLGPRPYRAIDFS HQGPAFVTWH RYHLLCLERDLQRLIGNESFALPYWNFATGRNECDVCTDQLFGAARPDDPTLISRNS RFS SWETVCDSLDDYNHLVTL CNGTYEGLLRNQMG RNSMKLPTLKDIRDCLSLQ KFDNPPFFQNSTFSFRNA LEGFDKADGTLDSQVMSLHNLVHSFLNGTNALPHSAAN DPIFVVLHSFTDAIFDEWMKRFNPPADAWPQE LAPIGHNRMYNMVPFFPPVTNEEL FLTSDQLGYSYAIDL PVSVEETPGWPTTLLVVMGTLVALVGLFVLL AFLQYRRLRKGYTPLMETHLSSKRYTEEATRTRPLEQKLISEEDLAANDILDYKDDDD

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	KV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Protein Pathways	Melanogenesis, Metabolic pathways, Tyrosine metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	DCT dopachrome tautomerase [Homo sapiens (human)]
Official Symbol	DCT
Synonyms	TRP-2; TYRP2
Gene ID	1638
mRNA Refseq	NM_001922.5

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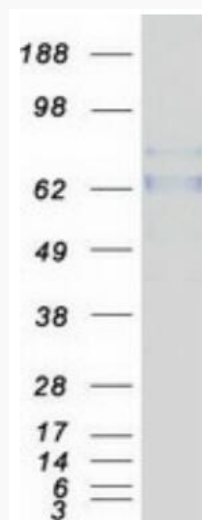
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Protein Refseq NP_001913.2

MIM 191275

UniProt ID P40126



Coomassie blue staining of purified DCT protein.

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