

Recombinant Full Length Human DCT Protein, GST-tagged

Cat. No. DCT-2934HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DCT full-length ORF (NP_001913.2, 1 a.a. - 519 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	519 amino acids
Description	DCT (Dopachrome Tautomerase) is a Protein Coding gene. Diseases associated with DCT include Microphthalmia and Vitiligo-Associated Multiple Autoimmune Disease Susceptibility 1. Among its related pathways are Wnt Signaling Pathways: beta-Catenin-independent Wnt/Ca2+ Signaling and Other Non-canonical Wnt Signaling Pathways and Tyrosine metabolism. GO annotations related to this gene include oxidoreductase activity and dopachrome isomerase activity. An important paralog of this gene is TYRP1.
Molecular Mass	85.5 kDa
AA Sequence	MSPLWWGFLLSCLGCKILPGAQGQFPRVCMTVDSL VNKECCPRLGAESANVCGSQ QGRGQCTEVRADTRPWSGPYILRNQDDRELWPRKFFHRTCKCTGNFAGYNCGDC KFGWTGPN CERKKPPVIRQNIHSLSPQEREQFLGALDLAKKRVHPDYVITTQHWLGL LGPNGTQPQFANCSVYDFFVWLHYYSVRD TLLGPGRPYRAIDFSHQGP AFVTWHR YHLLCLERDLQRLIGNESFALPYWNFATGRNECDVCTDQLFGAARPDDPTLISRNSR FSSWETVCDSLDDYNHLVTLCNGTYEGLLRNQMG RNSMKLPTLKDIRDCLSLQKF

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DNPPFFQNSTFSFRNALEGFDKADGTLDSQVMSLHNLVHSFLNGTNALPHSAANDP
IFVVLHSFTDAIFDEWMKRFNPPADAWPQELAPIGHNRMYNMVPFFPPVTNEELFLT
SDQLGYSYAIDL PVSVEETPGWPPTLLVVMGTLVALVGLFVLLAFLQYRRLRKGYP
LMETHLSSKRYTEEA

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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](#)

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Protein Refseq	NP_001123361
MIM	191275
UniProt ID	P40126

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