

Recombinant Human DCT protein, His-tagged

Cat. No. DCT-11864H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DCT protein(1-350 aa), fused with His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-350 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MSPLWWGFLLSCLGCKILPGAQGQFPRVCMTVDSL VNKECCPRLGAESANVCGSQ QGRGQCTEVRADTRPWSGPYILRNQDDRELWPRKFFHRTCKCTGNFAGYNCGDC KFGWTGPNCERKKPPVIRQNIHSLSPQEREQFLGALDLAKKRVHPDYVITTQHWLGL LGPNGTQPQFANCSVYDFFVWLHYYSVRDTLLGPGRPYRAIDFSHQGPAFVTWHR YHLLCLERDLQRLIGNESFALPYWNFATGRNECDVCTDQLFGAARPDDPTLISRNSR FSSWETVCDSLDDYNHLVTLCNGTYEGLLRNQMGGRNSMKLPTLKDIRDCLSLQKF DNPPFFQNSTFSFRNA
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

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

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