

# Recombinant Mouse DCT Protein, His-SUMO-tagged

**Cat. No.** DCT-1183M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse DCT Protein (24-472aa) was expressed in E. coli with N-terminal 10xHis-SUMO-tag.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 24-472 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Tris-based buffer, 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 69.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | <p>QFPRVCMTLDGVLNKECCPPLGPEATNICGFLEGRGQCAEVQTDTRPWSGPYILRN</p> <p>QDDREQWPRKFFNRTCKCTGNFAGYNCGGCKFGWTGPDCNRKKPAILRRNIHSLT</p> <p>AQEREQFLGALDLAKKSIHPDYVITTQHWLGLLGPNGTQPQIANCSVYDFFVWLHYY</p> <p>SVRDTLLGPRPYKAIDFSHQGPAFVTWHRYHLLWLERELQRLTGNESFALPYWNF</p> <p>ATGKNECDVCTDELLGAARQDDPTLISRNSRFSTWEIVCDSLDDYNRRVTLCNGTY</p> <p>EGLLRNKNVGRNNEKLPTLKNVQDCLSLQKFDSPFFQNSTFSFRNALEGFDKADG</p> <p>TLDSQVMNLHNLHAHSFLNGTNALPHSAANDPVFVVLHSFTDAIFDEWLKRNNPSTDA</p> <p>WPQELAPIGHNRMYNMVPFFPPVTNEELFLTAEQLGYNYAVDLSEEEAPVWSTTLS</p> |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | The shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life                                                                                                                                                                                                                                                                                                                                                                                                                                      |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

## GENE INFORMATION

|                 |                                                                                                                                                                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Dct dopachrome tautomerase [ <i>Mus musculus</i> ]                                                                                                                                                                                                                            |
| Official Symbol | DCT                                                                                                                                                                                                                                                                           |
| Synonyms        | TRP-2; TYRP2; DT; L-dopachrome Delta-isomerase; L-dopachrome isomerase; TRP2; dopachrome delta-isomerase; dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2); tyrosinase related protein-2; tyrosine-related protein 2; L-dopachrome tautomerase |
| Gene ID         | 13190                                                                                                                                                                                                                                                                         |
| mRNA Refseq     | NM_010024.3                                                                                                                                                                                                                                                                   |
| Protein Refseq  | NP_034154.2                                                                                                                                                                                                                                                                   |
| UniProt ID      | P29812                                                                                                                                                                                                                                                                        |

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA