



Recombinant Mouse L-dopachrome tautomerase (Dct), partial

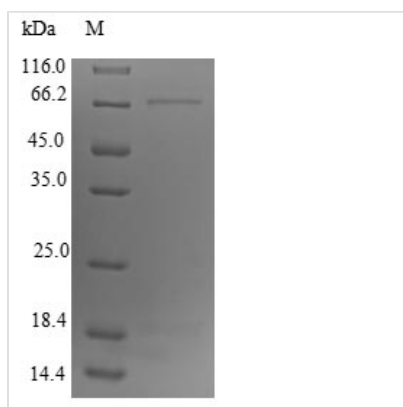
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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Code | CSB-EP006562MO1 |
| Relevance | Catalyzes the conversion of L-dopachrome into 5,6-dihydroxyindole-2-carboxylic acid (DHICA) (PubMed:1537333). Involved in regulating eumelanin and phaeomelanin levels. |
| Abbreviation | Recombinant Mouse Dct protein, partial |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | P29812 |
| Alias | DOPAchrome conversion factor1 DOPAchrome isomerase1 DOPAchrome oxidoreductase1 L-dopachrome Delta-isomerase SLATY locus protein Tyrosinase-related protein 2 |
| Product Type | Recombinant Protein |
| Immunogen Species | Mus musculus (Mouse) |
| Purity | ≥ 90% as determined by SDS-PAGE. |
| Sequence | QFPRVCMTLDGVLNKECCPPLGPEATNICGFLEGRGQCAEVQTDTRPWSGP YILRNQDDREQWPRKFFNRTCKCTGNFAGYNCGGCKFGWTGPDCNRKKPAI LRRNIHSLTAQEREQFLGALDLAKKSIHPDYVITTQHWLGLLGPNGTQPQIANC SVYDFFVWLHYYSVRDRTLGPGRPYKAIDFSHQGPAFVTWHRYHLLWLEREL QRLTGNESFALPYWNFATGKNECDVCTDELLGAARQDDPTLISRNSRFSTWEI VCDSLDDYNRRVTLNCGTYEGLLRNKNVGRNNEKLPTLKNVQDCLSLQKFDS PPFFQNSTFSFRNALEGFDKADGTLDSQVMNLHNLHNSFLNGTNALPHSAAN DPVFVVLHSFTDAIFDEWLKRNNPSTDAWPQELAPIGHNRMYNMVPFFPPVT NEELFLTAEQLGYNYAVDLSEEEAPVWSTTLS |
| Research Area | Cell Biology |
| Source | E.coli |
| Target Names | Dct |
| Protein Names | Recommended name: L-dopachrome tautomerase Short name= DCT Short name= DT EC= 5.3.3.12Alternative name(s): L-dopachrome Delta-isomerase SLATY locus protein Tyrosinase-related protein 2 Short name= TRP-2 Short name= |
| Expression Region | 24-472aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 10xHis-SUMO-tagged |



Mol. Weight 69.7kDa

Protein Length Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.