

Product datasheet for **TP508292**

Dct (NM_010024) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse dopachrome tautomerase (Dct), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR208292 protein sequence
Red=Cloning site **Green**=Tags(s)

MGLVGVGLLLGCLGCGILLRARAQFPRVCMTLDGVLNKECCPPLGPEATNICGFLEGRGQCAEVQTDTRP
WSGPYILRNQDDREQWPRKFFNRTCKCTGNFAGYNCGGCKFGWTGPD CNRKKPAILRRNIHSLTAQEREQ
FLGALDLAKKSIHPDYVITTQHWLGLLPNGTQPQIANCSVYDFVWLHYYSVRD TLLGPGRPYKAIDFS
HQGPAFVTWHRYHLLWLERELQRLTGNESFALPYWNFATGKNECDVCTDELLGAARQDDPTLISRNSRFS
TWEIVCDSLDDYNRRVTLCNGTYEGLLRNKKVGRNNEKLPTLKNVQDCLSLQKFDSPFFQNSTFSFRNA
LEGFDKADGTLDSQVMNLHNLHLSFLNGTNALPHSAANDPVFVVLHSFTDAIFDEWLKRNNPSTDAWPQE
LAPIGHNRMYNMVPFFPPVTNEELFLTAEQLGYNYAVDLSEEEAPVWSTTLSVWIGILGAFVLLGLLAF
LQYRRRLRKGYP LMETGLSSKRYTEEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 58.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_034154](#)



[View online »](#)

Locus ID: 13190

UniProt ID: [P29812](#), [Q6NXI2](#)

RefSeq Size: 2279

Cytogenetics: 14 61.6 cM

RefSeq ORF: 1554

Synonyms: DT; slaty; slt; TRP-2; TRP2; Tyrp-2; Tyrp2

Summary: Catalyzes the conversion of L-dopachrome into 5,6-dihydroxyindole-2-carboxylic acid (DHICA) (PubMed:1537333). Involved in regulating eumelanin and phaeomelanin levels.
[UniProtKB/Swiss-Prot Function]