

## Product datasheet for **TP304486M**

### TRP2 (DCT) (NM\_001922) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2) (DCT), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204486 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSPLWWGFLLSCLGCKILPGAQQGFPRVCMTVDSLNVKECCPRLGAESANVCGSQQGRGQCTEVRADTRP  
WSGPYILRNQDDRELWPRKFFHRTCKCTGNFAGYNCGDCKFGWTGPNCERKKPPVIRQNIHSLSPQEREQ  
FLGALDLAKKRVHPDYVITQHWLGLLPNGTQPQFANCSVYDFFVWLHYYSVRDILLGPRPYRAIDFS  
HQGPAFVTWHRYHLLCLERDLQRLIGNESFALPYWNFATGRNECDVCTDQLFGAARPDDPTLISRNSRFS  
SWETVCDSLDDYNHLVTLNCGTYEGLLRNQMGGRNSMKLPTLKDIRDCLSLQKFDNPPFFQNSTFSFRNA  
LEGFDKADGTLDSQVMSLHNLVHSFLNGTNALPHSAANDPIFVVLHSFTDAIFDEWMKRFNPPADAWPQE  
LAPIGHNRMYNMVPFFPPVTNEELFLTSDQLGYSYAIPLVSVVEETPGWPTLLVVMGTLVALVGLFVLL  
AFLQYRRLRKGYTPLMETHLSSKRYTEEA

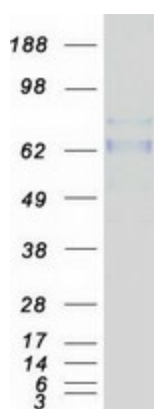
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	59 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_001913</u>
<b>Locus ID:</b>	1638
<b>UniProt ID:</b>	<u>P40126</u>
<b>RefSeq Size:</b>	2304
<b>Cytogenetics:</b>	13q32.1
<b>RefSeq ORF:</b>	1557
<b>Synonyms:</b>	TRP-2; TYRP2
<b>Summary:</b>	Catalyzes the conversion of L-dopachrome into 5,6-dihydroxyindole-2-carboxylic acid (DHICA) (PubMed:8306979). Involved in regulating eumelanin and pheomelanin levels. [UniProtKB/Swiss-Prot Function]
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Melanogenesis, Metabolic pathways, Tyrosine metabolism

**Product images:**

Coomassie blue staining of purified DCT protein (Cat# [TP304486]). The protein was produced from HEK293T cells transfected with DCT cDNA clone (Cat# [RC204486]) using MegaTran 2.0 (Cat# [TT210002]).