

Product datasheet for TP304486

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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204486 protein sequence Red =Cloning site Green =Tags(s)

MSPLWWGFLLSCLGCKILPGAQGGFPRVCMTVDSLNVKECCPRLGAESANVCGSQQGRGQCTEVRADT
RP
WSGPYILRNQDDRELWPRKFFHRTCKCTGNFAGYNCGDCKFGWTGPNCERKKPPVIRQNIHSLSPQERE
Q
FLGALDLAKKRVHPDYVITQHWLGLLGPNGTQPQFANCSVYDFFVWLHYYSVRDILLGPGRPYRAIDFS
HQGPAFVTWHRYHLLCLERDLQRLIGNESFALPYWNFATGRNECDVCTDQLFGAARPDDPTLISRNSRFS
SWETVCDSLDDYNHLVTLNCGTYEGLLRNQMGGRNSMKLPTLKDIRDCLSLQKFDNPPFFQNSTFSFRN
A
LEGFDKADGTLDSQVMSLHNLVHSFLNGTNALPHSAANDPIFVLHSFTDAIFDEWMKRFNPPADAWP
QE
LAPIGHRMYNMVPPFPVTNEELFLTSDQLGYSYIDLPSVEETPGWPTLLVVMGTLVALVGLFVLL
AFLQYRRLRKGYPMLMETHLSSKRYTEEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

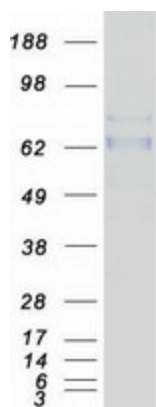
Tag:	C-Myc/DDK
Predicted MW:	59 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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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.
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_001913
Locus ID:	1638
UniProt ID:	P40126
RefSeq Size:	2304
Cytogenetics:	13q32.1
RefSeq ORF:	1557
Synonyms:	TRP-2; TYRP2
Summary:	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]
Protein Families:	Transmembrane
Protein Pathways:	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]).