

Product datasheet for **TP308595**

TRP1 (TYRP1) (NM_000550) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human tyrosinase-related protein 1 (TYRP1), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC208595 protein sequence
Red=Cloning site **Green**=Tags(s)

MSAPKLLSLGCIFFPLLLFQQARAQFPRQCATVEALRSGMCCPDLSPVSGPGTDRCGSSSSGRGRCEAVTA
DSRPHSPQYPHDGRDDREVWPLRFFNRTCHCNGNFSGHNCGTCRPGWRGAACDQRLVIVRRNLLDLSK
EE
KNHFRALDMAKRTTHPLFVIATRSEELGPDGNTQPENISINYFWWTHYYSVKKTFGLVGVQESFGE
VDFSHEGPAFLTWHRYHLLRLEKDMQEMLQEPSFSLPYWNFATGKNVCDICTDDLMGSRSNFDSTLISP
N
SVFSQWRVWCDSLEDYDTLGTLCNSTEDGPIRRNPAGNVARPMVQRLPEPQDVAQCLEVGLFDTPPFYSN
STNSFRNTVEGYSDPTGKYDPAVRSLNLAHLFLNGTGGQTHLSPNDPIFVLLHTFTDAVFDEWLRRYNA
DISTFPLENAPIGHNRQYNMVPFWPPVTNTEMFVTAPDNLGYTEIQWPSREFSVPEIIAIAVVGALLLV
ALIFGTASYLIRARRSMDEANQPLLTDQYQCYAEEYEKLNPNQSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 58 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.

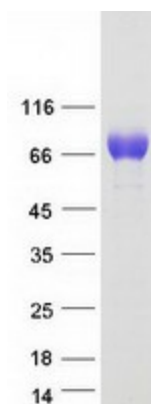
Storage: Store at -80°C.



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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_000541
Locus ID:	7306
UniProt ID:	P17643
RefSeq Size:	2876
Cytogenetics:	9p23
RefSeq ORF:	1611
Synonyms:	b-PROTEIN; CAS2; CATB; GP75; OCA3; TRP; TRP1; TYRP
Summary:	This gene encodes a melanosomal enzyme that belongs to the tyrosinase family and plays an important role in the melanin biosynthetic pathway. Defects in this gene are the cause of rufous oculocutaneous albinism and oculocutaneous albinism type III. [provided by RefSeq, Mar 2009]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Melanogenesis, Metabolic pathways, Tyrosine metabolism

Product images:



Coomassie blue staining of purified TYRP1 protein (Cat# TP308595). The protein was produced from HEK293T cells transfected with TYRP1 cDNA clone (Cat# [RC208595]) using MegaTran 2.0 (Cat# [TT210002]).