

## Product datasheet for **TP308595M**

### TRP1 (TYRP1) (NM\_000550) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tyrosinase-related protein 1 (TYRP1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC208595 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MSAPKLLSLGCIFFPLLLFQQARAQFPRQCATVEALRSGMCCPDLSPVSGPGTDRCGSSSSGRGRCEAVTA  
DSRPHSPQYPHDGRDDREVWPLRFFNRTCHCNGNFSGHNCGTCRPGWRGAACDQRLVLRNLLDLSKEE  
KNHFVRALDMAKRTTHPLFVIATRREIILGPDGNTQPENISYNYFVWTHYYSVKKTLGVLGQESFGE  
VDFSHEGPAFLTWHRYHLLRLEKDMQEMQLQEPSFLPYWNFATGKNVCDICTDDL MGRSNF DSTLISP  
SVFSQWRWVCD SLEDYDTLGTLCNSTEDGPIRRNPAGNVARPMVQRLPEPQDVAQCLEVLFDTPPFYSN  
STNSFRNTVEGYSDPTGKYDPAVRSLHNL AHLFLNGTGGQTHLSPNDPIFVLLHTFTDAVFDEWLRRYNA  
DISTFPLENAPIGHNQYNMVFPWPPVTNTEMFVTAPDNLGYTYEIQWPSREFSVPEIIAIAVVGALLLV  
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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_000541](#)

Locus ID: 7306

UniProt ID: [P17643](#)

RefSeq Size: 2876

Cytogenetics: 9p23

RefSeq ORF: 1611

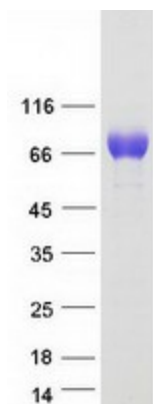
Synonyms: b-PROTEIN; CAS2; CATB; GP75; OCA3; TRP; TRP1; TYRP

**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]).