

Product datasheet for PH308595

TRP1 (TYRP1) (NM_000550) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TYRP1 MS Standard C13 and N15-labeled recombinant protein (NP_000541)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208595
Predicted MW:	60.7 kDa
Protein Sequence:	>RC208595 protein sequence Red=Cloning site Green=Tags(s)

MSAPKLLSLGCIFFPLLLFQQARAQFPRQCATVEALRSGMCCPDLSVSGPGTDRCGSSSSGRGRCEAVTA
DSRPHSPQYPHDGRDDREWPLRFFNRTCHCNGNFSGHNCGTCRPGWRGAACDQRVLIIVRRNLLDLSKEE
KNHFVRALDMAKRTTHPLFVIATRSEEILGPDGNTQPENISIIYNYFVWTHYYSVKKFTLGVGQESFGE
VDFSHEGPAFLTWHRYHLLRLEKDMQEMLQEPSFSLPYWNFATGKNVCDICTDDLMGSRSNFDSTLISPN
SVFSQWRVVCDSLEDYDTLGTLCNSTEDGPIRRNPAGNVARPMVQRLPEPQDVAQCLEVLGFDTPPFYSN
STNSFRNTVEGYSDPTGKYDPAVRSLNLAHLFLNGTGGQTHLSPNDPIFVLLHTFTDAVFDEWLRRYNA
DISTFPLENAPIGHNRRQYNMVPFWPPVTNTEMFVTAPDNLGYTYEIQWPSREFSVPEIIAIAVVGALLLV
ALIFGTASYLIRARRSMDEANQPLLLTDQYQCYAEEYEKLNPNQSVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000541
RefSeq Size:	2876
RefSeq ORF:	1611



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

Locus ID: 7306

UniProt ID: [P17643](#)

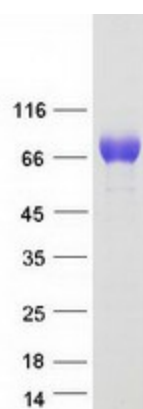
Cytogenetics: 9p23

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]).