

Recombinant Full Length Human TYRP1 Protein, C-Flag-tagged

Cat. No. TYRP1-883HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TYRP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	58 kDa
AA Sequence	MSAPKLLSLGCIFFPLLLFQQARAQFPRQCATVEALRSGMCCPDLSVSGPGTDRC GSSSGRGRCEAVTA DSRPHSPQYPHDGRDDREWPLRFFNRTCHCNGNFSGHN CGTCRPGWRGAACDQRVLIVRRNLLDLSKEE KNHFVRALDMAKRTTHPLFVIATR SEEILGPDGNTQPQFENISINYFVWTHYYSVKKTFLGVGQESFGE VDFSHEGPAFLT WHRYHLLRLKDMQEMQLQEPSFSLPYWNFATGKNVCDICTDDLMGSRSNFDSTLIS PN SVFSQWRVVCDSLEDYDTLGTLCNSTEDGPIRRNPAGNVARPMVQRLPEPQDV AQCLEVGFLFDTPPFYSN STNSFRNTVEGYSDPTGKYDPAVRSLHNLHLFLNGTGG QTHLSPNDPIFVLLHTFTDAVFDEWLRRYNA DISTFPLENAPIGHNRQYNMVPFWPP VTNTEMFVTAPDNLGYTYEIQWPSREFSVPEIIAIAVVGALLV

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	ALIFGTASYLIRARRSMDEANQPLLTDQYQCYAEEYEKLQNPNQSVVTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Melanogenesis, Metabolic pathways, Tyrosine metabolism
Full Length	Full L.

GENE INFORMATION

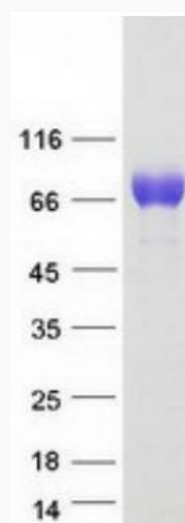
Gene Name	TYRP1 tyrosinase related protein 1 [Homo sapiens (human)]
Official Symbol	TYRP1
Synonyms	TRP; CAS2; CATB; GP75; OCA3; TRP1; TYRP; b-PROTEIN
Gene ID	7306

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mRNA Refseq	NM_000550.3
Protein Refseq	NP_000541.1
MIM	115501
UniProt ID	P17643



Coomassie blue staining of purified TYRP1 protein.