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## Datasheet for ABIN7317285 Tyrosinase-Related Protein 1 Protein (TYRP1) (His tag)



Overview

50 μg Tyrosinase-Related Protein 1 (TYRP1) Human HEK-293 Cells Recombinant This Tyrosinase-Related Protein 1 protein is labelled with His tag.
Human HEK-293 Cells Recombinant
HEK-293 Cells Recombinant
Recombinant
This Tyrosinase-Related Protein 1 protein is labelled with His tag.
Recombinant Human TRP1/TYRP1 Protein (Human Cells, His Tag)
Met 1- Arg 471
A DNA sequence encoding the human TYRP1 (P17643) extracellular domain (Met 1- Arg 471) was fused with a polyhistidine tag at the C-terminus.
> 95 % as determined by reducing SDS-PAGE.
< 1.0 EU per $\mu$ g as determined by the LAL method.

Target:	Tyrosinase-Related Protein 1 (TYRP1)
Alternative Name:	/TYRP1 (TYRP1 Products)
Background:	Background: Tyrosinase-related protein 1, also known as TYRP1 or TRP1, is a melanosomal enzyme that belongs to the tyrosinase family and plays an important role in the melanin
	biosynthetic pathway. Mutations in this enzyme are the cause of rufous oculocutaneous

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## Target Details

	albinism and oculocutaneous albinism type III. TYRP1 / TRP1 is involved in the oxidation of 5,6-
	dihydroxyindole-2-carboxylic acid (DHICA) into indole-5,6-quinone-2-carboxylic acid. This
	enzyme may regulate or influence the type of melanin synthesized. The expression of
	Tyrosinase-related protein 1 (TYRP1) is regulated by the microphthalmia-associated
	transcription factor (MITF). There is mounting evidence demonstrating that in addition to its
	role in eumelanin synthesis, TYRP1 is involved in maintaining stability of tyrosinase proliferation
	and melanocyte cell death.
	Synonym: b-PROTEIN,CAS2,CATB,GP75,OCA3,TRP,TRP1,TYRP
Molecular Weight:	52.2 kDa
UniProt:	P17643
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.