

Datasheet for ABIN6387885

## Tyrosinase-Related Protein 1 Protein (TYRP1) (AA 25-477) (His tag)



[Go to Product page](#)

### Overview

Quantity:	50 µg
Target:	Tyrosinase-Related Protein 1 (TYRP1)
Protein Characteristics:	AA 25-477
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tyrosinase-Related Protein 1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

### Product Details

Sequence:	<p>QFPRQCA TVEALRSGMC CPDLSPVSGP GTDRCGSSSG RGRCEAVTAD SRPHSPQYPH</p> <p>DGRDDREVWP LRFFNRTCHC NGNFSGHNCG TCRPGWRGAA CDQRLIVRR NLLDLSKEEK</p> <p>NHFVRALDMA KRTTHPLFVI ATRRSEEILG PDGNTPQFEN ISYNYFVWT HYYSVKKTFL</p> <p>GVGQESFGEV DFSHEGPAFL TWHRYHLLRL EKDMQEMLQE PSFSLPYWNF ATGKNVCDIC</p> <p>TDDLMGSRSN FDSTLISPNS VFSQWRVVC D SLEDYDTLGT LCNSTEDGPI RRNPAGNVAR</p> <p>PMVQRLPEPQ DVAQCLEVGL FDTPPFYSNS TNSFRNTVEG YSDPTGKYDP AVRSLHNLAH</p> <p>LFLNGTGGQT HLSPNDPIFV LLHTFTDAVF DEWLRRYNAD ISTFPLENAP IGHNRQYNMV</p> <p>PFWPPVTNTE MFVTAPDNLG YTYEIQWPSR EFSVPE</p>
Purity:	> 85% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

### Target Details

Target:	Tyrosinase-Related Protein 1 (TYRP1)
Alternative Name:	TYRP1 ( <a href="#">TYRP1 Products</a> )
Background:	TYRP1, also known as 5, 6-dihydroxyindole-2-carboxylic acid oxidase, is a melanosomal enzyme that belongs to the tyrosinase family and plays an important role in the melanin biosynthetic pathway. It is a melanocyte-specific gene product involved in eumelanin synthesis. It is involved in the oxidation of 5, 6-dihydroxyindole-2-carboxylic acid (DHICA) into indole-5, 6-quinone-2-carboxylic acid. It is regulated by the microphthalmia-associated transcription factor (MITF). Recombinant human TYRP1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	52.5 kDa (462aa)
NCBI Accession:	<a href="#">NP_000541</a>
UniProt:	<a href="#">P17643</a>

### Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

### Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline ( pH 7.4) containing 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.