

Datasheet for ABIN2712391

**Tyrosine Hydroxylase Protein (TH) (Transcript Variant 2, Tyr3)  
(Myc-DYKDDDDK Tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	20 µg
Target:	Tyrosine Hydroxylase (TH)
Protein Characteristics:	Transcript Variant 2, Tyr3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tyrosine Hydroxylase protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

## Product Details

Characteristics:	<ul style="list-style-type: none"><li>• Recombinant human Tyrosine 3-monooxygenase (TH) (transcript variant 2) protein expressed in HEK293 cells.</li><li>• Produced with end-sequenced ORF clone</li></ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

## Target Details

Target:	Tyrosine Hydroxylase (TH)
Alternative Name:	Tyrosine 3-Monooxygenase (Th) ( <a href="#">TH Products</a> )
Background:	The protein encoded by this gene is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Mutations in this gene have been associated with autosomal

## Target Details

	recessive Segawa syndrome. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.
Molecular Weight:	55.4 kDa
NCBI Accession:	<a href="#">NP_000351</a>
Pathways:	<a href="#">Dopaminergic Neurogenesis</a> , <a href="#">Response to Water Deprivation</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Feeding Behaviour</a>

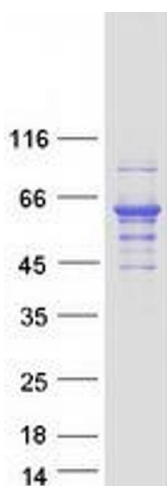
## Application Details

Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

## Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

## Images



### Western Blotting

**Image 1.** Validation with Western Blot