# **Human TH / Tyrosine Hydroxylase (His Tag)** recombinant protein

Catalog Number: 501869



#### **General Information**

## Gene Name Synonym

Tyrosine 3-hydroxylase

#### **Protein Construction**

A DNA sequence encoding the human TH isoform 2 (P07101-3) (Pro 2-Gly 497) was fused with a polyhistidine tag at the N-terminus.

# Organism

Human

## **Expression Host**

**Baculovirus-Insect Cells** 

# **QC Testing**

# **Purity**

> 94 % as determined by SDS-PAGE

#### **Endotoxin**

 $< 1.0 \; \text{EU}$  per  $\mu g$  of the protein as determined by the LAL method

#### **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

#### Predicted N terminal

Met

#### **Molecular Mass**

The recombinant human TH consists of 515 amino

acids and has a calculated molecular mass of 57.6 kDa. It migrates as an approximately 75 kDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% gly

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

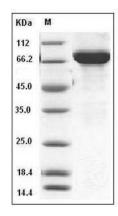
### **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human TH / Tyrosine Hydroxylase Protein (His Tag) SDS-PAGE