

## Recombinant Human TH protein, His-tagged

**Cat. No.** TH-2553H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TH protein(P07101-3) (Pro 2-Gly 497) was expressed in Insect Cells, fused with a polyhistidine tag at the N-terminus.                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                    |
| <b>Source</b>           | Insect Cells                                                                                                                                                                             |
| <b>ProteinLength</b>    | 2-497 aa                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% gly.                                                                                                                         |
| <b>Molecular Mass</b>   | 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. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                          |
| <b>Purity</b>           | > 94 % as determined by SDS-PAGE                                                                                                                                                         |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.     |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.            |

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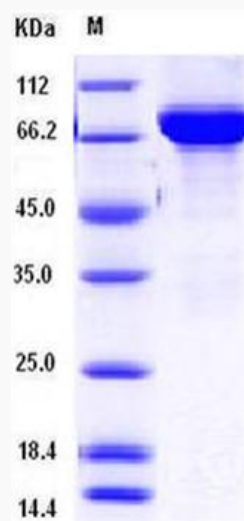
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## GENE INFORMATION

|                        |                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TH tyrosine hydroxylase [ Homo sapiens ]                                                                                              |
| <b>Official Symbol</b> | TH                                                                                                                                    |
| <b>Synonyms</b>        | TH; tyrosine hydroxylase; tyrosine 3-monooxygenase; DYT5b; tyrosine 3 monooxygenase; dystonia 14; tyrosine 3-hydroxylase; TYH; DYT14; |
| <b>Gene ID</b>         | 7054                                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_000360                                                                                                                             |
| <b>Protein Refseq</b>  | NP_000351                                                                                                                             |
| <b>MIM</b>             | 191290                                                                                                                                |
| <b>UniProt ID</b>      | P07101                                                                                                                                |

## SDS-PAGE



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