

## Recombinant Tryptophan synthase Protein

**Cat. No.** Tryptophan synthase-52E    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Tryptophan synthase Protein                                                                                                                                                                                   |
| <b>Species</b>          | E.coli                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                    |
| <b>Description</b>      | The alpha subunit is responsible for the aldol cleavage of indoleglycerol phosphate to indole and glyceraldehyde 3-phosphate. The beta subunit is responsible for the synthesis of L-tryptophan from indole and L-serine. |
| <b>Endotoxin</b>        | <1 EU/μg by LAL                                                                                                                                                                                                           |
| <b>Purity</b>           | >95% by SDS-PAGE                                                                                                                                                                                                          |
| <b>Storage</b>          | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                       |
| <b>Concentration</b>    | 1 mg/mL                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>   | PBS, pH7.4                                                                                                                                                                                                                |

### GENE INFORMATION

|                        |                     |
|------------------------|---------------------|
| <b>Official Symbol</b> | Tryptophan synthase |
|------------------------|---------------------|

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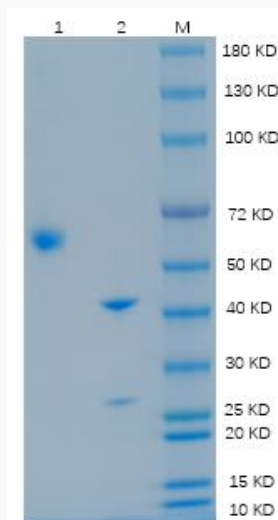
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## Synonyms

Tryptophan synthase; Trp; TrpB; TrpA; Tryptophan synthase beta chain; EC:4.2.1.20;  
Tryptophan synthase alpha chain

## SDS-PAGE



Reducing 12% SDS-PAGE analysis profile of purified P0A877&P0A879

1. BSA

2. P0A877&P0A879

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