

# Tryptophan synthase beta chain 1, chloroplastic (TSB1), Recombinant Protein

Cat *RP01333*

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## Species

*Arabidopsis thaliana* (Mouse-ear cress)

## Full Product Name

Recombinant *Arabidopsis thaliana* Tryptophan synthase beta chain 1, chloroplastic (TSB1) , partial

## Product Gene Name

TSB1 recombinant protein

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

50,926 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## NCBI Accession #

NP\_200292.1

## NCBI GI #

15239755

## NCBI GenBank Nucleotide #

NM\_124862.5

## NCBI GeneID

835571

## NCBI Official Full Name

tryptophan synthase beta-subunit 1

## NCBI Official Symbol

TSB1

## NCBI Official Synonym Symbols

ATTSB1; MBG8.7; MBG8\_7; TRP2; TRPB; TRYPTOPHAN BIOSYNTHESIS 2; TRYPTOPHAN BIOSYNTHESIS B; tryptophan synthase beta-subunit 1

## NCBI Protein Information

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**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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# Tryptophan synthase beta chain 1, chloroplastic (TSB1), Recombinant Protein

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tryptophan synthase beta-subunit 1

## NCBI Summary

A.thaliana tryptophan synthase beta subunit (trpB)

## UniProt Gene Name

TSB1

## UniProt Protein Name

Tryptophan synthase beta chain 1, chloroplastic

## UniProt Primary Accession #

P14671

## UniProt Related Accession #

P14671

## UniProt Comments

The beta subunit is responsible for the synthesis of L-tryptophan from indole and L-serine.

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