

TST Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21670c**Specification****TST Blocking Peptide (Center) - Product Information**Primary Accession [Q16762](#)**TST Blocking Peptide (Center) - Additional Information****Gene ID** 7263**Other Names**

Thiosulfate sulfurtransferase, Rhodanese, TST

Target/Specificity

The synthetic peptide sequence is selected from aa 190-203 of HUMAN TST

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TST Blocking Peptide (Center) - Protein Information**Name** TST**Function**

Formation of iron-sulfur complexes, cyanide detoxification or modification of sulfur-containing enzymes. Other thiol compounds, besides cyanide, can act as sulfur ion acceptors. Also has weak mercaptopyruvate sulfurtransferase (MST)

TST Blocking Peptide (Center) - Background

Formation of iron-sulfur complexes, cyanide detoxification or modification of sulfur-containing enzymes. Other thiol compounds, besides cyanide, can act as sulfur ion acceptors. Also has weak mercaptopyruvate sulfurtransferase (MST) activity (By similarity). Together with MRPL18, acts as a mitochondrial import factor for the cytosolic 5S rRNA. Only the nascent unfolded cytoplasmic form is able to bind to the 5S rRNA.

TST Blocking Peptide (Center) - References

Aita N., et al. Biochem. Biophys. Res. Commun. 231:56-60(1997).
Collins J.E., et al. Genome Biol. 5:R84.1-R84.11(2004).
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Dunham I., et al. Nature 402:489-495(1999).

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Cellular Location

Mitochondrion matrix.

TST Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)