

TalB Protein, E.coli (Myc, His)

Cat. No.:	HY-P71492
Synonyms:	talB; yaaK; b0008; JW0007; Transaldolase B; EC 2.2.1.2
Species:	E.coli
Source:	E. coli
Accession:	P0A870 (2T-317L)
Gene ID:	58461421
Molecular Weight:	Approximately 42.5 kDa

PROPERTIES

AA Sequence	<pre> T D K L T S L R Q Y T T V V A D T G D I A A M K L Y Q P Q D A T T N P S L I L N A A Q I P E Y R K L I D D A V A W A K Q Q S N D R A Q Q I V D A T D K L A V N I G L E I L K L V P G R I S T E V D A R L S Y D T E A S I A K A K R L I K L Y N D A G I S N D R I L I K L A S T W Q G I R A A E Q L E K E G I N C N L T L L F S F A Q A R A C A E A G V F L I S P F V G R I L D W Y K A N T D K K E Y A P A E D P G V V S V S E I Y Q Y Y K E H G Y E T V V M G A S F R N I G E I L E L A G C D R L T I A P A L L K E L A E S E G A I E R K L S Y T G E V K A R P A R I T E S E F L W Q H N Q D P M A V D K L A E G I R K F A I D Q E K L E K M I G D L L </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	TalB protein, also known as transaldolase, plays a crucial role in maintaining metabolite balance within the pentose-phosphate pathway. This enzymatic function underscores its significance in cellular metabolism, as transaldolase facilitates the interconversion of key sugar phosphates, contributing to the equilibrium of metabolites within this essential
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biochemical pathway. The activity of TalB is integral to various cellular processes, emphasizing its role in supporting the dynamic interplay of metabolic pathways and cellular homeostasis.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA