

# Recombinant Human Transaldolase 1 protein ab99243

1 Image

### Description

<b>Product name</b>	Recombinant Human Transaldolase 1 protein
<b>Purity</b>	> 90 % SDS-PAGE. ab99243 is purified using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P37837</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<b>MGSSHHHHHHSSGLVPRGSHMSSSPVKRQRMESALDQ</b> LKQFTTVVADTGD FHAIDEYKPQDATTNPSLILAAQMPAYQELVEEAIAYGRK LGGSQEDQI KNAIDKLFVLFGAEILKKIPGRVSTEVDARLSFDKDAMVAR ARRLIELYK EAGISKDRILIKLSSTWEGIQAGKEEEQHGIHCNMTLLFSF AQAVACAE AGVTLISPFVGRILDWHVANTDKKSYELEDPGVKSVTKIY NYYKKFSYK TVMGASFRNTGEIKALAGCDFLTISPKLLGELLQDNAKL PVLSAKAAQ ASDLEKIHLDKESFRWLHNEDQMAVEKLSDGIRKFAADA VKLERMLTERM FNAENGK
<b>Predicted molecular weight</b>	40 kDa including tags
<b>Amino acids</b>	1 to 337
<b>Tags</b>	His tag N-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab99243** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

	Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

## Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)
------------------------------	--

## General Info

<b>Function</b>	Transaldolase is important for the balance of metabolites in the pentose-phosphate pathway.
<b>Pathway</b>	Carbohydrate degradation; pentose phosphate pathway; D-glyceraldehyde 3-phosphate and beta-D-fructose 6-phosphate from D-ribose 5-phosphate and D-xylulose 5-phosphate (non-oxidative stage); step 2/3.
<b>Involvement in disease</b>	Defects in TALDO1 are the cause of transaldolase 1 deficiency (TALDO1 deficiency) [MIM:606003]. It results in telangiectases of the skin, hepatosplenomegaly, and enlarged clitoris.
<b>Sequence similarities</b>	Belongs to the transaldolase family. Type 1 subfamily.
<b>Cellular localization</b>	Cytoplasm.

## Images



15% SDS-PAGE showing ab99243 at approximately 39.7kDa (3µg).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors