abcam

Product datasheet

Recombinant Human Transaldolase 1 protein ab99243

1 Image

Description

Product name Recombinant Human Transaldolase 1 protein

Purity > 90 % SDS-PAGE.

ab99243 is purified using conventional chromatography techniques.

Expression system Escherichia coli

Accession <u>P37837</u>

Protein length Full length protein

Animal free No

Nature Recombinant

Species Human

Sequence MGSSHHHHHHSSGLVPRGSHMSSSPVKRQRMESALDQ

LKQFTTVVADTGD

FHAIDEYKPQDATTNPSLILAAAQMPAYQELVEEAIAYGRK

LGGSQEDQI

KNAIDKLFVLFGAEILKKIPGRVSTEVDARLSFDKDAMVAR

ARRLIELYK

EAGISKDRILIKLSSTWEGIQAGKELEEQHGIHCNMTLLFSF

AQAVACAE

AGVTLISPFVGRILDWHVANTDKKSYEPLEDPGVKSVTKIY

NYYKKFSYK

TIVMGASFRNTGEIKALAGCDFLTISPKLLGELLQDNAKLV

PVLSAKAAQ

ASDLEKIHLDEKSFRWLHNEDQMAVEKLSDGIRKFAADA

VKLERMLTERM FNAENGK

Predicted molecular weight 40 kDa including tags

Amino acids 1 to 337

Tags 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

1

Mass Spectrometry

Mass spectrometry

MALDI-TOF

Form

Liquid

Preparation and Storage

Stability and Storage 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

Function Transaldolase is important for the balance of metabolites in the pentose-phosphate pathway.

Pathway 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.

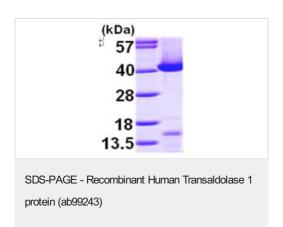
Involvement in disease Defects in TALDO1 are the cause of transaldolase 1 deficiency (TALDO1 deficiency)

[MIM:606003]. It results in telangiectases of the skin, hepatosplenomegaly, and enlarged clitoris.

Sequence similarities Belongs to the transaldolase family. Type 1 subfamily.

Cellular localization Cytoplasm.

Images



15% SDS-PAGE showing ab99243 at approximately 39.7kDa ($3\mu g$).

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

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