

Product datasheet

Recombinant Human DTYMK protein ab109838

2 References 1 Image

Description

Product name	Recombinant Human DTYMK protein
Purity	> 95 % SDS-PAGE. No detergents such as urea, Triton or Tween have been used to purify the protein. Purified by using anion exchange chromatography (DEAE sepharose resin) and gel filtration chromatography (Sephacryl S 200) with 20mM Tris pH 7.5, 2mM EDTA.
Expression system	Escherichia coli
Accession	P23919
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MAARRGALM LEGVDRAGKS TQSRKLVEAL CAAGHRAELL RFPERSTEIG KLLSSYLQKK SDVEDHSVHL LFSANRWEQV PLIKEKLSQG VTLVVDRYAF SGVAFTGAKE NFSLDWCKQP DVGLPKPDLV LFLQLQLADA AKRGAFGHER YENGAFQERA LRCFHQLMKD TTLNWKMVDA SKSIEAVHED IRVLSEDAIR TATEKPLGEL WK
Predicted molecular weight	24 kDa
Amino acids	1 to 212
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab109838** 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
Mass spectrometry	MALDI-TOF
Form	Liquid

Additional notes

Via its role in the catalytic creation of dTDP, DTYMK plays an important role in the pathway of DNA synthesis and is thought to be involved in cell cycle progression and cell growth.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.04% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function

Catalyzes the conversion of dTMP to dTDP.

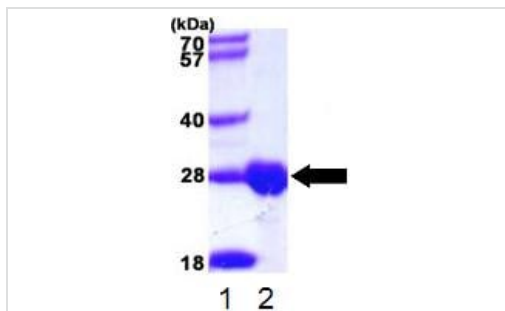
Pathway

Pyrimidine metabolism; dTTP biosynthesis.

Sequence similarities

Belongs to the thymidylate kinase family.

Images



SDS-PAGE analysis of ab109838: (1) MW marker, (2) ab109838 at 3µg
Gel concentration: 15%

SDS-PAGE - Recombinant Human DTYMK protein
(ab109838)

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