

Product datasheet

Recombinant Human dNT-2 protein ab113140

1 Image

Description

Product name	Recombinant Human dNT-2 protein
Purity	> 95 % SDS-PAGE. ab113140 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	<u>Q9NPB1</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHM GGRALRVLVDMDGVLA DFEGGFLRKFRAR FPDQPFIALEDRRGFWVS EQYGRLRPLSEKAISWESKNFFFELEPL PGAVEAVKEMASLQNTDVFICTSPIKMFKYCPYEKYAWVE KYFGP DFL EQVLTTRDKTVVSADLLIDDRPDITGAEPTPSWEHVLFTAC HNQHLQLQP PRRRLHSWADDWKAILDSKRPC
Predicted molecular weight	25 kDa including tags
Amino acids	32 to 228
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab113140** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid
Additional notes	Previously labelled as NT5M.

Preparation and Storage

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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: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function

Dephosphorylates specifically the 5' and 2'(3')-phosphates of uracil and thymine deoxyribonucleotides, and so protects mitochondrial DNA replication from excess dTTP. Has only marginal activity towards dIMP and dGMP.

Tissue specificity

Highly expressed in heart, brain and skeletal muscle. Detected at very low levels in kidney and pancreas.

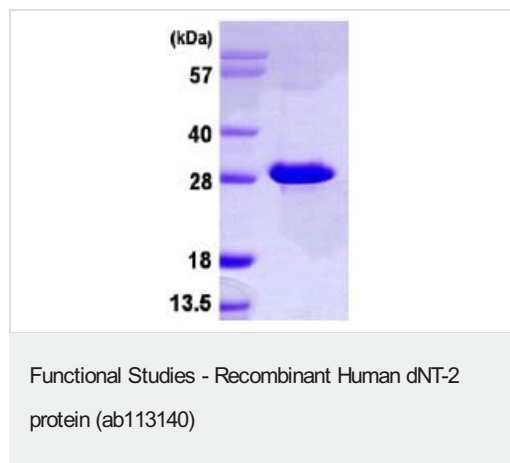
Sequence similarities

Belongs to the 5'(3')-deoxyribonucleotidase family.

Cellular localization

Mitochondrion.

Images



15% SDS-PAGE analysis of ab113140 (3µg)

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

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