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Datasheet for ABIN7560431

Thymidine Phosphorylase Protein (TYMP) (AA 1-471) (His tag)

Overview

Quantity:	1 mg
Target:	Thymidine Phosphorylase (TYMP)
Protein Characteristics:	AA 1-471
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Thymidine Phosphorylase protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tymp Protein expressed in mammalian cells.
Sequence:	MAAPGTPPPS ASGGGGGEPR QLPELIRLKR DGGHLREADI RNFVHAVIDG RAQDTQIGAM LMAIRLQGMN LEETSVLTRA LAESGQQLEW PKAWHQQLVD KHSTGGVGDK VSLVLPALPA ACGCKVPMIS GRSLGHTGGT LDKLESIPGF GVTQSPEQML HILEEVGCC I VGQSAKLVPA DGILYAARDV TATVDSVPLI TASILSKKAV EGLSTLVVDV KFGGAAVFPD QEKARELAKM LVRVGVSLGL KVAALALTAMD NPLGRSVGHT LEVEEALLCL DGAGPPDLRD LVIRLGGAIL WISGQAETQD QGAARVAAAL DDGSARRRFQ LMLSAQGVDP GLAKALCSGS PTQRRQLLPH AREQEELLAP ADGIVECVRA LPLARVLHDL GAGRSRAGQP IRPGVGAEVL VDVGQCLSRG TPWLRVHLDG PALSSQQRRT LQGALVLSDR APFKVPSPFA ELVLPPTIAQ P Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

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isoform, please contact us regarding an individual offer.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

Thymidine Phosphorylase (TYMP)

Alternative Name:

Tymp ([TYMP Products](#))

Background:

Thymidine phosphorylase (TP) (EC 2.4.2.4) (TdRPase),FUNCTION: Catalyzes the reversible phosphorolysis of thymidine. The produced molecules are then utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis (By similarity). {ECO:0000250}.

Molecular Weight:

49.3 kDa

UniProt:

[Q99N42](#)

Pathways:

[Signaling Events mediated by VEGFR1 and VEGFR2](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for

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functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
