

Datasheet for ABIN7564587
DPYD Protein (AA 1-1025) (His tag)



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Overview

Quantity:	1 mg
Target:	DPYD
Protein Characteristics:	AA 1-1025
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DPYD protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Dpyd Protein expressed in mammalien cells.
Sequence:	MAGVLSRDAP DIESILALNP RVQAATLRS TAAKLDKKH WKRNTDKNCF TCEKLESNFD DIKHTTLGER GALREAVRCL KCADAPCQKS CPTSLDIKSF ITSANKNYY GAAKLIFSDN PLGLTCGMVC PTS DLCVGGC NLHAAEEGPI NIGGLQQFAT EVFKAMNIPQ IRNPSLPPPE HMPEAYS AKI ALFGAGPASI SCASFLARLG YSNITIFEKQ EYVGGLSTSE IPQFRLPYDV VNFEIELMKD LGVKIICGKS LSTDEMTLSS LKENG YRAAF IGIGLPEPKK DHIFQGLTQV QGfytskDFL PLVAKSSKTG MCACHSPLPS IRGAVIVLGA GDTAFDCATS ALRCGALRVF IVFRKGFVNI RAVPEEMELA KEEKCEFLPF LSPRKVIVKD GKIVAMQFVR TEQDETGNWW EDEEQTVRLK ADVVISAFGS VLEDPKVKEA LSPKFN RWG LPEVNPETMQ TSEPWWFAGG DVVGMANTTV ES VNDGKQAS WYIHKHIQAQ YGTSVPSQPT MPLFYTPVDL VDISVEMAGL RFPNPFGLAS ATPATSTPMI RRAFEAGWGF ALTKTFSLDK DIVTNVSPRI IRGTTSGPLY GPGQSSFLNI ELISEKTAAY WCHSVTELKA DFPDNILIAS IMCSYNKSDW MELSKMAEAS

Product Details

GADALELNLS CPHGMGERGM GLACGQDPEL VRNICRWVRQ AVRVPFFAKL TPNVTDIVSI
ARAAKEGGAD GVTATNTVSG LMGLKADGTP WPAVGIGRRT TYGGVSGTAI RPIALRAVTA
IARALPGFPI LATGGIDSAE SGLQFLHSGA SVLQVCSAIQ NQDFTVIEDY CTGLKALLYL
KSIEELADWD GQSPPIISHQ KGKPVPRVAE LMGQKLPSFG PYLEQRKKII AASKIRQKDQ
NTACSPQRK HFNSQKPIPA IKDVIKSLQ YLGTFGEMSI MEQVVALIDE EMCINCGKCY
MTCNDSGYQA IQFDPETHLP TVSDTCTGCT LCLSVCPIMD CIRMVSRATP YQPKRGLPLA VKPVC

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.

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, Western Blot

Grade:

custom-made

Target Details

Target:

DPYD

Alternative Name:

Dpyd ([DPYD Products](#))

Background:

Dihydropyrimidine dehydrogenase [NADP(+)] (DHPDHase) (DPD) (EC 1.3.1.2) (Dihydrothymine dehydrogenase) (Dihydrouracil dehydrogenase),FUNCTION: Involved in pyrimidine base degradation. Catalyzes the reduction of uracil and thymine. Also involved the degradation of the chemotherapeutic drug 5-fluorouracil. {ECO:0000250|UniProtKB:Q12882}.

Target Details

Molecular Weight:	111.3 kDa
UniProt:	Q8CHR6
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for 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