

Datasheet for ABIN7547175  
**DPYS Protein (AA 1-519) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DPYS
Protein Characteristics:	AA 1-519
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DPYS protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat DPYS Protein expressed in mammalian cells.
Sequence:	<p>MAAPSRLLIR GGRVVNDDFS EVADVLVEDG VVRALGHDLL PPGGAPAGLR VLDAAGKLVL          PGGIDTHTHM QFPFMGSRSI DDFHQGTKAA LSGGTTMIID FAIPQKGGSL IEAFETWRSW          ADPKVCCDYS LHVAVTWWSQ QVKEEMKILV QDKGVNSFKM FMAYKDLYMV TDLELYEAFS          RCKEIGAIAQ VHAENGDLIA EGAKKMLALG ITGPEGHELK RPEAVEAEAT LRAITIASAV          NCPLYIVHVM SKSAAKVIAD ARRDGKVVYQ EPIAASLGTG GTHYWNKEWH HAAHHVMGPP          LRPDPSTPDF LMNLLANDDL TTTGTDNCTF NTCQKALGKD DFTKIPNGVN GVEDRMSVIW          EKGVHSGKMD ENRFVAVTST NAAKIFNLYP RKGRIAVGSD ADIVIWDPKG TRTISAKTHH          QAVNFNIFEG MVCHGVPLVT ISRGKVVYEA GVFSVTAGDG KFIPRKPFKE IYIKRIKQRD          RTCTPTPVER APYKGEVATL KSRVTKEDAT AGTRKQHP</p> <p><b>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</b></p>

## Product Details

### contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

Target:	DPYS
Alternative Name:	DPYS ( <a href="#">DPYS Products</a> )
Background:	Dihydropyrimidinase (DHP) (DHPase) (EC 3.5.2.2) (Dihydropyrimidine amidohydrolase) (Hydantoinase),FUNCTION: Catalyzes the second step of the reductive pyrimidine degradation, the reversible hydrolytic ring opening of dihydropyrimidines. Can catalyze the ring opening of 5,6-dihydrouracil to N-carbamyl-alanine and of 5,6-dihydrothymine to N-carbamyl-amino isobutyrate.
Molecular Weight:	56.6 kDa
UniProt:	<a href="#">Q14117</a>

## 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
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Application Details

	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