

Recombinant Human DPD protein ab114584

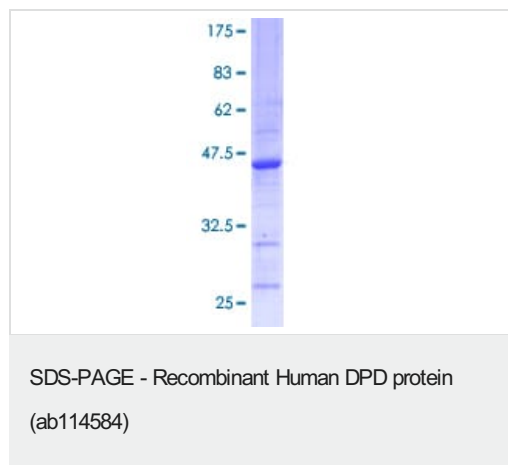
1 图像

描述	
产品名称	重组人DPD蛋白
表达系统	Wheat germ
Accession	<u><b>Q12882</b></u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MAPVLSKDSADIESILALNPRTQTHATLCSTSAKKLDKKHWK RNPDKNCF NCEKLENNFDDIKHTTLGERGALREAMRCLKCADAPCQKSCP TNLDIKSF ITSIAKNKYYYGAAKMIFSDNPLGLTCGMVCPTSDLCVGGCNL YATEEGPI NIGGLQQFATETLILAFSLMNL
预测分子量	45 kDa including tags
氨基酸	1 to 173
技术指标	
Our <b><u>Abpromise guarantee</u></b> covers the use of <b>ab114584</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	ELISA  SDS-PAGE  Western blot
形式	Liquid
制备和贮存	
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

## 常规信息

功能	Involved in pyrimidine base degradation. Catalyzes the reduction of uracil and thymine. Also involved in the degradation of the chemotherapeutic drug 5-fluorouracil.
组织特异性	Found in most tissues with greatest activity found in liver and peripheral blood mononuclear cells.
通路	Amino-acid biosynthesis; beta-alanine biosynthesis.
疾病相关	Defects in DPYD are the cause of dihydropyrimidine dehydrogenase deficiency (DPYD deficiency) [MIM:274270]; also known as hereditary thymine-uraciluria or familial pyrimidinemia. DPYD deficiency is a disease characterized by persistent urinary excretion of excessive amounts of uracil, thymine and 5-hydroxymethyluracil. Patients suffering from this disease show a severe reaction to the anticancer drug 5-fluorouracil. This reaction includes stomatitis, Leukopenia, thrombocytopenia, hair loss, diarrhea, fever, marked weight loss, cerebellar ataxia, and neurologic symptoms, progressing to semicoma.
序列相似性	Belongs to the dihydropyrimidine dehydrogenase family. Contains 3 4Fe-4S ferredoxin-type domains.
细胞定位	Cytoplasm.

## 图片



12.5% SDS-PAGE showing ab114584 at approximately 45.03kDa stained with Coomassie Blue.

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

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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

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