abcam

Product datasheet

Recombinant Human Mannose Phosphate Isomerase protein (denatured) ab111629

1 图像

描述

产品名称	重组人Mannose Phosphate Isomerase蛋白(denatured)
纯度	> 90 % SDS-PAGE.
表达系统	Escherichia coli
Accession	P34949
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHHSSGLVPRGSHMAAPRVFPLSCAVQQYAWGKMG SNSEVARL LASSDPLAQIAEDKPYAELWMGTHPRGDAKILDNRISQKTLS QWIAENQD SLGSKVKDTFNGNLPFLFKVLSVETPLSIQAHPNKELAEKLH LQAPQHYP DANHKPEMAIALTPFQGLCGFRPVEEIVTFLKTAAGNNMEDI FGELLLQL HQQYPGDIGCFAIYFLNLLTLKPGEAMFLEANVPHAYLKGDC VECMACSD NTVRAGLTPKFIDVPTLCEMLSYTPSSSKDRLFLPTRSQEDP YLSIYDPP VPDFTIMKTEVPGSVTEYKVLALDSASILLMVQGTVIASTPT TQTPIPLQ RGGVLFIGANESVSLKLTEPKDLLIFRACCLL
预测分子量	42 kDa including tags
氨基酸	1 to 362
标签	His tag N-Terminus
描述	重组人Mannose Phosphate Isomerase蛋白

技术指标

Our **Abpromise guarantee** covers the use of **ab111629** in the following tested applications.

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

应用	SDS-PAGE
形式	Liquid

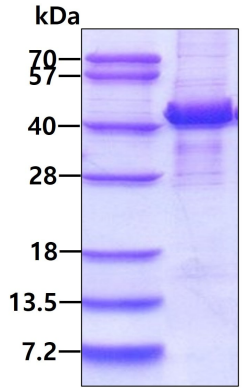
制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 2.4% Urea, 0.32% Tris HCl

常规信息

功能	Involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose required for a number of critical mannosyl transfer reactions.
组织特异性	Expressed in all tissues, but more abundant in heart, brain and skeletal muscle.
通路	Nucleotide-sugar biosynthesis; GDP-alpha-D-mannose biosynthesis; alpha-D-mannose 1-phosphate from D-fructose 6-phosphate: step 1/2.
疾病相关	Defects in MPI are the cause of congenital disorder of glycosylation type 1B (CDG1B) [MIM:602579]; also known as carbohydrate-deficient glycoprotein syndrome type Ib (CDGS1B). Congenital disorders of glycosylation are metabolic deficiencies in glycoprotein biosynthesis that usually cause severe mental and psychomotor retardation. They are characterized by under-glycosylated serum glycoproteins. CDG1B is clinically characterized by protein-losing enteropathy.
序列相似性	Belongs to the mannose-6-phosphate isomerase type 1 family.
细胞定位	Cytoplasm.

图片



SDS-PAGE - Recombinant Human Mannose Phosphate Isomerase protein (denatured) (ab111629)

15% SDS-PAGE showing ab111629 at approximately 41.9kDa (3µg).

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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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