abcam

Product datasheet

Recombinant Human GALE protein ab96767

1 图像

描述

产品名称	重组人GALE蛋白
纯度	> 95 % SDS-PAGE. ab96767 is purified using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	Q14376
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	**MGSSHHHHHHSSGLVPRGSH**MAEKVLVTGGAGYIGSHTVLELLEAGYLPV VIDNFHNAFRGGGSLPESLRRVQELTGRSVEFEEMDILDQGALQRLFKKY SFMAVIHFAGLKAVGESVQKPLDYYRVNLTGTIQLLEIMKAHGVKNLVFS SSATVYGNPQYLPLDEAHPTGGCTNPYGKSKFFIEEMIRDLCQADKTWNA VLLRYFNPTGAHASGCIGEDPQGIPNNLMPYVSQVAIGRREALNVFGNDY DTEDGTGVRDYIHVVDLAKGHIAALRKLKEQCGCRIYNLGTGTGYSVLQM VQAMEKASGKKIPYKVVARREGDVAACYANPSLAQEELGWTAALGLDRMC EDLWRWQKQNPSGFGTQA
预测分子量	40 kDa including tags
氨基酸	1 to 348
标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab96767** in the following tested applications.

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

应用	Mass Spectrometry

	SDS-PAGE
形式	Liquid

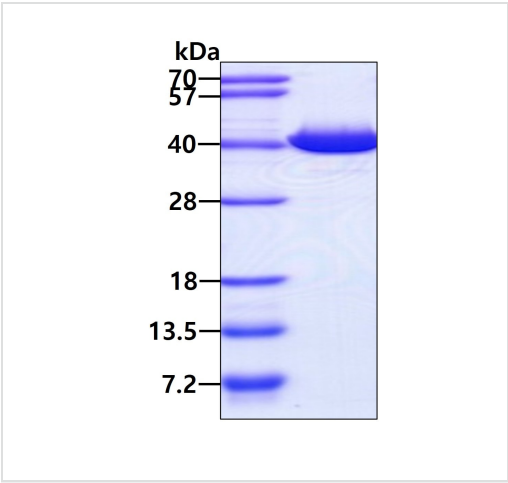
制备和贮存

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: 0.077% DTT, 0.316% Tris HCl, 0.0292% EDTA, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

常规信息

功能	Catalyzes two distinct but analogous reactions: the epimerization of UDP-glucose to UDP-galactose and the epimerization of UDP-N-acetylglucosamine to UDP-N-acetylgalactosamine.
通路	Carbohydrate metabolism; galactose metabolism.
疾病相关	Defects in GALE are the cause of epimerase-deficiency galactosemia (EDG) [MIM:230350]; also known as galactosemia type 3. Clinical features include early-onset cataracts, liver damage, deafness and mental retardation. There are two clinically distinct forms of EDG. (1) A benign, or 'peripheral' form with no detectable GALE activity in red blood cells and characterized by mild symptoms. Some patients may suffer no symptoms beyond raised levels of galactose-1-phosphate in the blood. (2) A much rarer 'generalized' form with undetectable levels of GALE activity in all tissues and resulting in severe features such as restricted growth and mental development.
序列相似性	Belongs to the sugar epimerase family.

图片



SDS-PAGE - Recombinant Human GALE protein (ab96767)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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