abcam

Product datasheet

Recombinant Human FGE protein (denatured) ab115708

1 图像

描述

产品名称	重组人FGE蛋白(denatured)
纯度	> 85 % SDS-PAGE.
表达系统	Escherichia coli
Accession	Q8NBK3
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHHSSGLVPRGSHMVPIPAGVFTMGTDDPQIKQDG EAPARRVT IDAFYMDAYEVSNTEFEKFVNSTGYLTEAEKFGDSFVFEGML SEQVKTNI QQAVAAAPWWLPVKGANWRHPEGPDSTILHRPDHPVLHVSWN DAVAYCTW AGKRLPTEAEWEYSCRGGLHNRLFPWGNKLQPKGQHYANIWQ GEFPVTNT GEDGFQGTAPVDAFPPNGYGLYNIVGNAWEWTSDWWTVHHSV EETLNPKG PPSGKDRVKKGGSYMCHRSYCYRYRCAARSQNTPDSSASNLG FRCAADRL PTMD
预测分子量	34 kDa including tags
氨基酸	91 to 374
标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab115708** 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
补充说明	This product was previously labelled as SUMF1

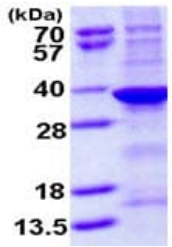
制备和贮存

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: 12.01% Urea, 0.03% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine)

常规信息

功能	Using molecular oxygen and an unidentified reducing agent, oxidizes a cysteine residue in the substrate sulfatase to an active site 3-oxoalanine residue, which is also called C(alpha)-formylglycine. Known substrates include GALNS, ARSA, STS and ARSE.
组织特异性	Ubiquitous. Highly expressed in kidney, pancreas and liver. Detected at lower levels in leukocytes, lung, placenta, small intestine, skeletal muscle and heart.
通路	Protein modification; sulfatase oxidation.
疾病相关	Defects in SUMF1 are the cause of multiple sulfatase deficiency (MSD) [MIM:272200]. MSD is a clinically and biochemically heterogeneous disorder caused by the simultaneous impairment of all sulfatases, due to defective post-translational modification and activation. It combines features of individual sulfatase deficiencies such as metachromatic leukodystrophy, mucopolysaccharidosis, chondrodysplasia punctata, hydrocephalus, ichthyosis, neurologic deterioration and developmental delay. Inheritance is autosomal recessive.
序列相似性	Belongs to the sulfatase-modifying factor family.
翻译后修饰	N-glycosylated. Contains high-mannose-type oligosaccharides.
细胞定位	Endoplasmic reticulum lumen.

图片



SDS-PAGE - Recombinant Human FGE protein (denatured) (ab115708)

15% SDS-PAGE showing ab115708 at approximately 34.1kDa (3µg).

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

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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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