

Recombinant Human PTS/PTPS protein ab92928

1 图像

描述

产品名称	重组人PTS/PTPS蛋白
纯度	> 90 % SDS-PAGE. Purified using conventional chromatography techniques.
表达系统	Escherichia coli
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHH SGLVPRGSH MSTEGGRRRC QAQVSRRI SF SASHRLYSKF LSDEENLKLF GKCNNPNGHG HNYKVVVTVH GEIDPATGMV MNLADLKKYM EEAIMQPLDH KNLDMDVPYF ADVSTTENV AVYIWDNLQK VLPVGVLYKV KVYETDNNIV VYKGE

技术指标

Our **Abpromise guarantee** covers the use of **ab92928** 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 PTS

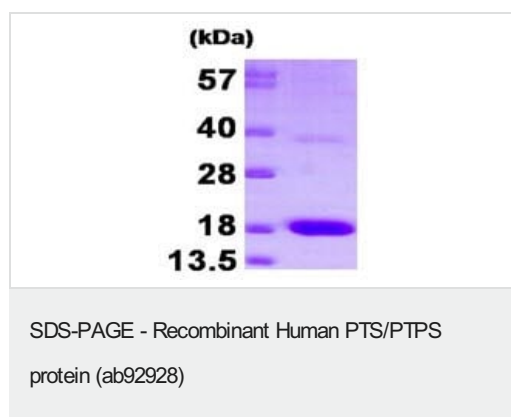
制备和贮存

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: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine)
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常规信息

功能	Involved in the biosynthesis of tetrahydrobiopterin, an essential cofactor of aromatic amino acid hydroxylases. Catalyzes the transformation of 7,8-dihydroneopterin triphosphate into 6-pyruvoyl tetrahydropterin.
通路	Cofactor biosynthesis; tetrahydrobiopterin biosynthesis; tetrahydrobiopterin from 7,8-dihydroneopterin triphosphate: step 1/3.
疾病相关	Defects in PTS are the cause of BH4-deficient hyperphenylalaninemia type A (HPABH4A) [MIM:261640]; also called 6-pyruvoyl-tetrahydropterin synthase deficiency (PTS deficiency) or hyperphenylalaninemia tetrahydrobiopterin-deficient due to PTS deficiency. HPABH4A is an autosomal recessive disorder characterized by depletion of the neurotransmitters dopamine and serotonin, and clinically by severe neurological symptoms unresponsive to the classic phenylalanine-low diet.
序列相似性	Belongs to the PTPS family.
翻译后修饰	Phosphorylation of Ser-19 is required for maximal enzyme activity.

图片



15% SDS-PAGE analysis of 3µg ab92928

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

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