

Product datasheet

Natural human Butyrylcholinesterase protein ab96367

概述

产品名称	Natural人Butyrylcholinesterase蛋白
蛋白长度	Full length protein

描述

性质	Native
来源	Native

氨基酸序列

Accession	P06276
种属	Human
分子量	65 kDa
氨基酸	29 to 602

技术指标

Our [Abpromise guarantee](#) covers the use of **ab96367** in the following tested applications.

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

生物活性	>100 U/mg.
应用	Functional Studies SDS-PAGE
形式	Lyophilised
补充说明	Starting material individually donor tested and found negative for HIV I & II antibodies, Hepatitis B surface antigen, and Hepatitis C antibodies. Butyrylcholinesterase enzyme assay: One unit of Butyrylcholinesterase will hydrolyse 1.0µ mole of Butyrylcholine per min at pH 8.0 at 37°C.

制备和贮存

稳定性和存储	Shipped at 4°C. Store at +4°C. Preservative: None Constituents: 0.02M Ammonium bicarbonate. May contain traces of buffer salts. This product is an active protein and may elicit a biological response in vivo, handle with caution.
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复溶 Use of a phosphate buffer pH >7.0 containing 0.15M NaCl is recommended.

常规信息

功能 Esterase with broad substrate specificity. Contributes to the inactivation of the neurotransmitter acetylcholine. Can degrade neurotoxic organophosphate esters.

组织特异性 Detected in blood plasma (at protein level). Present in most cells except erythrocytes.

疾病相关 Defects in BCHE are the cause of butyrylcholinesterase deficiency (BChE deficiency) [MIM:177400]. BChE deficiency is a metabolic disorder characterized by prolonged apnoea after the use of certain anesthetic drugs, including the muscle relaxants succinylcholine or mivacurium and other ester local anesthetics. The duration of the prolonged apnoea varies significantly depending on the extent of the enzyme deficiency. BChE deficiency is a multifactorial disorder. The hereditary condition is transmitted as an autosomal recessive trait.

序列相似性 Belongs to the type-B carboxylesterase/lipase family.

细胞定位 Secreted.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Response to your inquiry within 24 hours

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