

Product datasheet

Natural human Alanine Transaminase protein ab80419

概述

产品名称	Natural人Alanine Transaminase蛋白
蛋白长度	Full length protein

描述

性质	Native
来源	Native

氨基酸序列

种属	Human
----	-------

技术指标

Our [Abpromise guarantee](#) covers the use of **ab80419** 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	Specific activity: 29 U/mg protein.
应用	Functional Studies
形式	Lyophilised

制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. pH: 7.00 Constituents: 0.0154% DTE (1,4-Dithioerythritol), 0.158% Tris HCl, 0.0292% EDTA, 0.58% Sodium chloride, 0.002% PLP, 0.226% Alpha ketoglutarate This product is an active protein and may elicit a biological response in vivo, handle with caution.
--------	---

常规信息

功能	Catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. Participates in cellular nitrogen metabolism and also in liver gluconeogenesis starting with precursors transported from skeletal muscles.
----	---

组织特异性	Liver, kidney, heart, and skeletal muscles. Expressed at moderate levels in the adipose tissue.
通路	Amino-acid degradation; L-alanine degradation via transaminase pathway; pyruvate from L-alanine: step 1/1.
序列相似性	Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. Alanine aminotransferase subfamily.
细胞定位	Cytoplasm.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- 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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors