

Product datasheet

Natural human Alanine Transaminase protein ab80419

概述

产品名称	Natural人Alanine Transaminase protein
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. Preservative: None Constituents: 100mM Sodium chloride, 10mM Tris HCl, 1mM EDTA, 1mM DTE, 10mM alpha-Ketoglutarate, 20µg/ml Pyridoxal-5-phosphate, pH 7.0 This product is an active protein and may elicit a biological response in vivo, handle with caution.
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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.
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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.

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