

## Product datasheet

# Recombinant Human BAALC protein ab117684

### Overview

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<b>Product name</b>	Recombinant Human BAALC protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli

### Amino Acid Sequence

<b>Accession</b>	<a href="#">Q8WXS3-2</a>
<b>Species</b>	Human
<b>Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGCGGSRADA IEPRYESWT RETESTWLTY TDSDAPPSAA APDSGPEAGG LHSGMLEDGL PSNGVPRSTA PGGIPNPEKK TNCETQCPNP QSLSSGPLTQ KQNGLQTTEA KRDAKRMPAK EVTINVTDSI QQMDRSRRIT KNCVN
<b>Molecular weight</b>	18 kDa including tags
<b>Amino acids</b>	1 to 145
<b>Tags</b>	His tag N-Terminus

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab117684** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE
<b>Purity</b>	> 95 % SDS-PAGE. ab117684 is purified by proprietary chromatographic techniques.
<b>Form</b>	Liquid
<b>Additional notes</b>	For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

### Preparation and Storage

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## Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 0.02% DTT, 20% Glycerol, 0.06% EDTA

## General Info

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### Function

May play a synaptic role at the postsynaptic lipid rafts by interacting with CAMK2A.

### Tissue specificity

Expressed by neural and hematopoietic cells. Expression is found both in normal early progenitor cells and in the most immature type of blasts in acute leukemia but not in mature hematopoietic cells. Isoform 2 and isoform 6 are expressed in the brain. Isoform 2 shows a low expression in neuroectoderm-derived tissues such as adrenal gland and no expression in bone marrow, peripheral blood lymphocytes or lymph nodes, or in tumors or cancer cell lines of nonneural tissue origin.

### Post-translational modifications

Palmitoylation and myristoylation target the protein to the lipid rafts.

### Cellular localization

Cytoplasm. Membrane. Postsynaptic lipid rafts.

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

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- Replacement or refund for products not performing as stated on the datasheet
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