

Product datasheet

Recombinant Human BAALC protein ab117684

Overview

Product name	Recombinant Human BAALC protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

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

Specifications

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.

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

Preparation and Storage

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

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.

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