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BAALC Human

Catalog #:PRPS-765

For research use only.

Description:BAALC Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 165 amino acids (1-145 a.a.) and having a molecular mass of 17.7 kDa. The BAALC protein is fused to a 20 amino acid His Tag at N-terminus and purified by standard chromatogrpahy techniques.

Synonyms: Brain and acute leukemia cytoplasmic protein, FLJ12015, BAALC.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGCGGSRADA IEPRYYESWT RETESTWLTY TDSDAPPSAA APDSGPEAGG LHSGMLEDGL PSNGVPRSTA PGGIPNPEKK TNCETQCPNP QSLSSGPLTQ KQNGLQTTEA KRDAKRMPAK EVTINVTDSI QQMDRSRRIT KNCVN.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The protein solution contains 20mM Tris buffer pH-8, 1mM DTT, 20% glycerol and 2mM EDTA.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
BAALC gene is found in patients with acute myeloid leukemia and is conserved among mammals and is not found in lower organisms. Tissues which express BAALC develop from the neuroectoderm. BAALC is located both in the membrane and in the cytoplasma, it exists as multiple alternatively spliced isoform. BAALCis expressed by hematopoetic and neural cells, BAALC interacts with CaMKII and is involved in synaptic function at postsynaptic lipid rafts. Overexpression of BAALC concomitant forecast adverse clinical outcome and defines a significant risk factor in cytogenetically normal acute myeloid leukemia (AML).

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