



Catalog Number: PR27238

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGCGGSRADA IEPRIYESWT RETESTWLTQ TSDAPPSAA APDSGPEAGG LHSGMLEDGL PSNGVPRSTA PGGIPNPEKK TNCETQCPNP QSLSSGPLTQ KQNGLQTTEA KRDAKRMPAK EVTINVTDSI QQMDRSRRIT KNCVN.

Description/Molecular Mass: 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 cytoplasm, it exists as multiple alternatively spliced isoform. BAALC is expressed by hematopoietic and neural cells, BAALC interacts with CaMKII β 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).

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 chromatography techniques.

Purity: Greater than 95.0% as determined by:
(a) Analysis by SDS-PAGE.

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

Storage: 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.

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