

Recombinant Human Brain And Acute Leukemia, Cytoplasmic, His-tagged

Cat. No. BAALC-4214H Lot. No. (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human
ProteinLength	1-145 a.a.
Description	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).
Form	The protein solution contains 20mM Tris buffer pH-8, 1mM DTT, 20% glycerol and 2mM EDTA.
Purity	Greater than 95.0% as determined by SDS-PAGE.

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Physical Appearance	Sterile filtered colorless solution.
Amino acid sequence	MGSSHHHHHH SSGLVPRGSH MGCGRADA IEPRIYESWT RETESTWLTY TDSDAPPSAA APDSGPEAGG LHSGMLEDGL PSNGVPRSTA PGGIPNPEKK TNCETQCPNP QSLSSGPLTQ KQNGLQTTEA KRDAKRMPAK EVTINVTDSI QQMDRSRRIT KNCVN.
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.

GENE INFORMATION

Gene Name	BAALC brain and acute leukemia, cytoplasmic [Homo sapiens]
Official Symbol	BAALC
Synonyms	BAALC; brain and acute leukemia, cytoplasmic; FLJ12015.
Gene ID	79870
mRNA Refseq	NM_001024372
Protein Refseq	NP_001019543
MIM	606602
UniProt ID	Q8WXS3
Chromosome Location	8q22.3

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