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## Product Data Sheet

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Product Name: BAALC Human  
 Cat. No.: GP22831  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Brain and acute leukemia cytoplasmic protein; FLJ12015; BAALC.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGC GGS RADA IEP RYYESWT RETESTWLTY TDSDAPPSAA APDSGPEAGG LHS G MLEDGL PSNGVPRSTA PGGIPNPEKK TNCETQCPNP QSLSSGPLTQ KQNGLQTTEA KRDAKRMPAK EVTINVTDSI QQMDRSRRIT KNCVN.		
Formulation	The protein solution contains 20mM Tris buffer pH-8, 1mM DTT, 20% glycerol and 2mM EDTA.		

### 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 cytoplasm, it exists as multiple alternatively spliced isoform. BAALC is expressed by hematopoietic 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).

### 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.

### Background

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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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The BAALC protein is fused to a 20 amino acid His Tag at N-terminus and purified by standard chromatography techniques.

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