

Recombinant Human ANKS1B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ANKS1B-6455H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ANKS1B MS Standard C13 and N15-labeled recombinant protein (NP_064525) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a multi-domain protein that is predominantly expressed in brain and testis. This protein interacts with amyloid beta protein precursor (AbetaPP) and may have a role in normal brain development, and in the pathogenesis of Alzheimer's disease. Expression of this gene has been shown to be elevated in patients with pre-B cell acute lymphocytic leukemia associated with t(1;19) translocation. Alternatively spliced transcript variants encoding different isoforms (some with different subcellular localization, PMID:15004329) have been described for this gene.
Molecular Mass	46.9 kDa
AA Sequence	MMWQCHLSAQDYRYYPVDGYSLKRFPLHPLTGPRCPVQTVGQWLESIGLPQYEN HLMANGFDNVQFMGSNVMEDQDLLEIGILNSGHRQRILQAIQLPKMRPIGHDGYHP TSVAEWLDSIELGDYTKAFLINGYTSMDLLKKIWEVELINVLKINLIGHRKRILASLGDR LHDDPPQKPPRSITLRTGDWGEPSITLRPPNEATASTPVQYWQHHPKLIQSCDYK AFYLGSMILIKELRGTESTQDACAKMRANCQKSTEQMKKVPTIILSVSYKGVKFIDATN KNIIAEHEIRNISCAAQDPEDLSTFAYITKDLKSNHHYCHVFTAFDVNLAYEIIITLGQA

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FEVAYQLALQARKGGHSSSTLPESFENKPSKPIPKPRVSIRKSVDLLHASHTGQEPSE
RHTEELRKFTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ANKS1B ankyrin repeat and sterile alpha motif domain containing 1B [Homo sapiens (human)]
Official Symbol	ANKS1B
Synonyms	ANKS1B; ankyrin repeat and sterile alpha motif domain containing 1B; ankyrin repeat and sterile alpha motif domain-containing protein 1B; AIDA 1; ANKS2; cajalin 2; EB 1; E2a-Pbx1-associated protein; amyloid-beta precursor protein intracellular domain associated protein 1; EB1; AIDA; EB-1; AIDA-1; cajalin-2; MGC26087;
Gene ID	56899
mRNA Refseq	NM_020140
Protein Refseq	NP_064525

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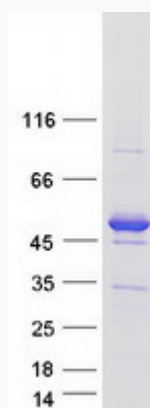
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MIM 607815

UniProt ID Q7Z6G8

SDS-PAGE



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