

Active Recombinant Full Length Human PICALM Protein, C-Flag-tagged

Cat. No. PICALM-606HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PICALM Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a clathrin assembly protein, which recruits clathrin and adaptor protein complex 2 (AP2) to cell membranes at sites of coated-pit formation and clathrin-vesicle assembly. The protein may be required to determine the amount of membrane to be recycled, possibly by regulating the size of the clathrin cage. The protein is involved in AP2-dependent clathrin-mediated endocytosis at the neuromuscular junction. A chromosomal translocation t(10;11)(p13;q14) leading to the fusion of this gene and the MLLT10 gene is found in acute lymphoblastic leukemia, acute myeloid leukemia and malignant lymphomas. The polymorphisms of this gene are associated with the risk of Alzheimer disease. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	In vitro binding assay
Molecular Mass	70.6 kDa

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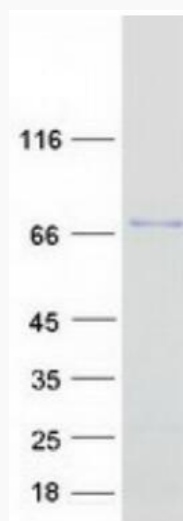
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	MSGQSLTDRITAAQHSVTGSAVSKTVCKATTHEIMGPKKKHLDYLIQCTNEMNVNIP QLADSLFERTTNS SWVVVKSLITTHHLMVYGNERFIQYLASRNTLFNLSNFLDKSG LQGYDMSTFIRRYSRYLNEKAVSYRQ VAFDFTKVKRGADGVMRTMNTKLLKTVPII QNQMDALLDFNVNSNELTNGVINAAMLLFKDAIRLFAA YNEGIINLLEKYFDMKKNQ CKEGLDIYKKFLTRMTRISEFLKVAEQVGIDRGDIPDLSQAPSSLLDALEQ HLASLEG KKIKDSTAASRATTLSNAVSSLASTGLSLTKVDEREKQAALEEEQARLKALKEQRLKE LAKKP HTSLTTAASPVSTSAGGIMTAPAIIDIFSTPSSSNSTSKLPNDLLDLQQPTFHP SVHPMSTASQVASTWGD PFSATVDAVDDAIPSLNPFLT KSSGDVHLSISSDVSTFTT RTPTHEMFVGFPTSPVAQPHPSAGLNVD FE SVFGNKSTNVIVDSGGFDELGGLLKP TVASQNQNLPVAKLPPSKLVSDDL DSSLANLVGNLGIGNGT TKN DVNWSQPGEKKL TGGSNWQPKVAPTTAWNAATMAPPVMAYPATTPTGMIGYGIPPQMGSVPVMTQPT LIY SQPVMRPPNPFGPVSGAQIQFMTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	PICALM phosphatidylinositol binding clathrin assembly protein [Homo sapiens (human)]
Official Symbol	PICALM
Synonyms	LAP; CALM; CLTH
Gene ID	8301
mRNA Refseq	NM_007166.4
Protein Refseq	NP_009097.2
MIM	603025
UniProt ID	Q13492



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Coomassie blue staining of purified PICALM protein.

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