

Product datasheet for TP313791L

PICALM (NM_007166) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphatidylinositol binding clathrin assembly protein (PICALM), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213791 representing NM_007166 Red=Cloning site Green=Tags(s)
	<p>MSGQSLDRITAAQHSVTGSAVSKTVCKATTHEIMGPKKKHLDYLIQCTNEMNVNIPQLADSLFERTTNS SWVVVFKSLITTHHLMVYGNERFIQYLASRNTLFNLSNFLDKSGLQGYDMSTFIRRYSTRYLNKAVSYRQ VAFDFTKVKGADGVMRTMNTKLLKTVPIIQNQMDALLDFNVNSNELTNGVINAAFMLLFKDAIRLFAA YNEGIINLLEKYFDMKKNQCKEGLDIYKKFLTRMTRISEFLKVAEQVGIDRGDIPDLSQAPSSLLDALEQ HLASLEGKKIKDSTAASRATTLSSNAVSSLASTGLSLTKVDEREKQAALEREQARLKALKEQRLKELAKKP HTSLTTAASPVSTSAGGIMTAPAIIDIFSTPSSSNSTSKLPNDLLDLQQTFFHPSVHPMSTASQVASTWGD PFSATVDAVDDAIPSLNPFLTKSSGDVHLSISSDVSTFTTRTPTHEMFVGFPTSPVAQPHPSAGLNVD FE SVFGNKSTNVIVDSGGFDELGLLKPTVASQONQLPVAKLPPSKLVSDDDLSSLANLVGNLIGIGNGTTKN DVNWSQPGEKLTGGSNWQPKVAPTTAWNAATMAPPVMAYPATTPTGMIGYGIPPQMGSVPVMTQPTLIY SQPVMRPPNPFPGPVSGAQIQFM</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	70.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	In vitro binding assay (PMID: 26005850)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_009097
Locus ID:	8301
UniProt ID:	Q13492 , A0A024R5P1 , E9PN05
RefSeq Size:	3860
Cytogenetics:	11q14.2
RefSeq ORF:	1956
Synonyms:	CALM; CLTH; LAP
Summary:	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. [provided by RefSeq, May 2011]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified PICALM protein (Cat# [TP313791]). The protein was produced from HEK293T cells transfected with PICALM cDNA clone (Cat# [RC213791]) using MegaTran 2.0 (Cat# [TT210002]).