

Datasheet for ABIN2728884

**PICALM Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)**[Go to Product page](#)[1 Image](#)[1 Publication](#)

## Overview

Quantity:	20 µg
Target:	PICALM
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PICALM protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

## Product Details

Characteristics:	<ul style="list-style-type: none"><li>• Recombinant human PICALM (transcript variant 1) protein expressed in HEK293 cells.</li><li>• Produced with end-sequenced ORF clone</li></ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

## Target Details

Target:	PICALM
Alternative Name:	Picalm ( <a href="#">PICALM Products</a> )
Background:	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

## Target Details

clathrin-mediated endocytosis at the neuromuscular junction. A chromosomal translocation t(1011)(p13q14) 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.

Molecular Weight:	70.6 kDa
NCBI Accession:	<a href="#">NP_009097</a>
Pathways:	<a href="#">Synaptic Membrane</a>

## Application Details

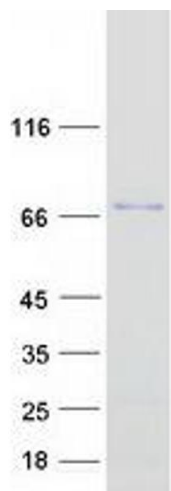
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

## Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

## Publications

Product cited in:	Zhao, Sagare, Ma, Halliday, Kong, Kisler, Winkler, Ramanathan, Kanekiyo, Bu, Owens, Rege, Si, Ahuja, Zhu, Miller, Schneider, Maeda, Maeda, Sugawara, Ichida, Zlokovic: "Central role for PICALM in amyloid-β blood-brain barrier transcytosis and clearance." in: <b>Nature neuroscience</b> , Vol. 18, Issue 7, pp. 978-87, (2015) ( <a href="#">PubMed</a> ).
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Western Blotting

**Image 1.** Validation with Western Blot