

Recombinant Human MAGI3 protein ab127432

Description

Product name	Recombinant Human MAGI3 protein
Purity	> 80 % SDS-PAGE. Purified via His tag
Expression system	Escherichia coli
Accession	Q5TCQ9
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	29 kDa
Amino acids	714 to 983
Tags	His-DHFR tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab127432** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Constituents: 0.32% Tris HCl, 0.58% Sodium chloride
Reconstitution	Reconstitute with water to desired concentration.

General Info

Function	Acts as a scaffolding protein at cell-cell junctions, thereby regulating various cellular and signaling processes. Cooperates with PTEN to modulate the kinase activity of AKT1. Its interaction with PTPRB and tyrosine phosphorylated proteins suggests that it may link receptor tyrosine
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phosphatase with its substrates at the plasma membrane. In polarized epithelial cells, involved in efficient trafficking of TGFA to the cell surface. Regulates the ability of LPAR2 to activate ERK and RhoA pathways. Regulates the JNK signaling cascade via its interaction with FZD4 and VANGL2.

Tissue specificity

Widely expressed.

Sequence similarities

Belongs to the MAGUK family.

Contains 1 guanylate kinase-like domain.

Contains 6 PDZ (DHR) domains.

Contains 2 WW domains.

Post-translational modifications

Ubiquitinated following interaction with HPV E6 protein, leading to its degradation by the proteasome. Degradation is independent of E6AP ubiquitin ligase complex.

Cellular localization

Cell membrane. Cell junction > tight junction. Nucleus. Concentrates in specific sites at the plasma membrane and in the nucleus. In epithelial cells, it localizes at tight junctions.

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