

Recombinant Human PEA15 protein ab172828

Description

Product name	Recombinant Human PEA15 protein
Purity	> 95 % SDS-PAGE. ab172828 is greater than 95% pure, as determined by SEC-HPLC and reducing SDS-PAGE.
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	<u>Q15121</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	GSHMAEYGTLLQDLTNNITLEDLEQLKSACKEDIPSEKSEE ITTGSAWFS FLESHNKLDKDNLSYIEHIFEISRRPDLLTMVVDYRTRVLKIS EEDELDT KLTRIPSAKKYKDII RQPSEEEIKLAPPPKKA
Predicted molecular weight	15 kDa
Amino acids	1 to 130

Specifications

Our **Abpromise guarantee** covers the use of **ab172828** 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 HPLC
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituent: 100% PBS Supplied as a 0.2 μM filtered solution
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General Info

Function	Blocks Ras-mediated inhibition of integrin activation and modulates the ERK MAP kinase cascade. Inhibits RPS6KA3 activities by retaining it in the cytoplasm (By similarity). Inhibits both TNFRSF6- and TNFRSF1A-mediated CASP8 activity and apoptosis. Regulates glucose transport by controlling both the content of SLC2A1 glucose transporters on the plasma membrane and the insulin-dependent trafficking of SLC2A4 from the cell interior to the surface.
Tissue specificity	Ubiquitously expressed. Most abundant in tissues such as heart, brain, muscle and adipose tissue which utilize glucose as an energy source. Lower expression in glucose-producing tissues. Higher levels of expression are found in tissues from individuals with type 2 diabetes than in controls.
Sequence similarities	Contains 1 DED (death effector) domain.
Post-translational modifications	Phosphorylated by protein kinase C and calcium-calmodulin-dependent protein kinase. These phosphorylation events are modulated by neurotransmitters or hormones.
Cellular localization	Cytoplasm. Associated with microtubules.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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