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Datasheet for ABIN7318180 PEA15 Protein

Overview

Quantity:	50 µg
Target:	PEA15
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Astrocytic Phosphoprotein PEA-15/PEA15 Protein
Sequence:	Met 1-Ala130
Characteristics:	Recombinant Human Phosphoprotein Enriched in Astrocytes of 15 kDa is produced by our E.coli expression system and the target gene encoding Met1-Ala130 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PEA15
Alternative Name:	PEA15 (PEA15 Products)
Background:	Background: Astrocytic phosphoprotein PEA-15 (PEA15) is a death effector domain (DED)-containing protein. PEA15 is mainly expressed in the central nervous system, principally in astrocytes. Increased PEA15 levels affect tumorigenesis and cancer progression. PEA15 is overexpressed in breast cancers and gliomas as well as in type 2 diabetes. PEA15 blocks Ras-

Target Details

mediated inhibition of integrin activation and modulates the ERK MAP kinase cascade. PEA15 also inhibits RPS6KA3 activities by holding it in the cytoplasm. In addition, PEA15 inhibits both TNFRSF6 and TNFRSF1A mediated CASP8 activity and apoptosis. At present, PEA15 expression is also a significant prognostic marker in ovarian cancer.

Synonym: Astrocytic Phosphoprotein PEA-15, 15 kDa Phosphoprotein Enriched in Astrocytes, Phosphoprotein Enriched in Diabetes, PED, PEA15

Molecular Weight: 15.3 kDa

UniProt: [Q15121](#)

Application Details

Comment: 12-16 kDa

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.