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## Recombinant human PEA-15 protein

Catalog Number: ATGP0399

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-130aa

#### **UniProt No.**

015121

#### **NCBI Accession No.**

NP 003759

#### **Alternative Names**

Phosphoprotein enriched in astrocytes 15kD, Astrocytic phosphoprotein PEA-15, PEA15, PED, Phosphoprotein enriched in astrocytes, 15kD Astrocytic phosphoprotein PEA 15, Astrocytic phosphoprotein PEA15, HMAT 1, HMAT1, Homolog of mouse MAT 1 oncogene, Homolog of mouse MAT1 oncogene, HuMMAT 1H, HuMMAT1H, MAT 1, MAT1H, MAT1H, PEA 15, PEA15 protein, Phosphoprotein enriched in astrocytes 15kD, Phosphoprotein enriched in diabetes.

## PRODUCT SPECIFICATION

## **Molecular Weight**

15 kDa (130aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### Tag

Non-Tagged

### **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

#### Description

Phospho-enriched protein in astrocytes 15 kDa (PEA-15) is a death effector domain (DED) -containing protein predominantly expressed in the central nervous system, particularly in astrocytes. This protein has been



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implicated in the regulation of multiple cellular processes including apoptosis, proliferation, glucose transport, adhesion and migration. Increased PEA-15 levels may affect tumorigenesis and cancer progression, thus it is overexpressed in breast cancers and gliomas as well as in type 2 diabetes. Recombinant human PEA-15 was expressed in E. coli and purified by using conventional chromatography.

## **Amino acid Sequence**

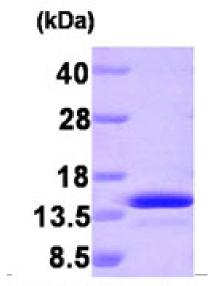
MAEYGTLLQD LTNNITLEDL EQLKSACKED IPSEKSEEIT TGSAWFSFLE SHNKLDKDNL SYIEHIFEIS RRPDLLTMVV DYRTRVLKIS EEDELDTKLT RIPSAKKYKD IIROPSEEEI IKLAPPPKKA

### **General References**

Beguinot F., et al. (2009) Am J Physiol Endocrinol Metab. 297(3):E592-601. ueno NT., et al. (2008) Cancer Res. 68(22):9302-10.

## **DATA**





15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

