

Recombinant human PEA-15 protein

Catalog Number: ATGP0399

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-130aa

UniProt No.

Q15121

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, MAT 1H, MAT1, MAT1H, PEA 15, PEA15 protein, Phosphoprotein enriched in astrocytes 15, 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

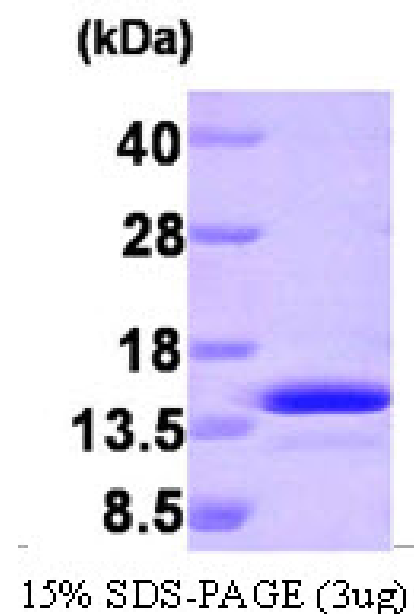
MAEYGTLLQD LTNNITLEDL EQLKSACKED IPSEKSEEIT TGSAWFSFLE SHNKLDKDNL SYIEHIFEIS RRPDLLTMVV
DYRTRVLKIS EEDELDTKLT RIPSARKKYD IIRQPSEEEI IKLAPPPKKA

General References

Beguino 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

SDS-PAGE



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