

Recombinant Human Phosphoprotein Enriched In Astrocytes 15

Cat. No. PEA15-1399H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PEA-15 was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW = 15 kDa (130aa).
Species	Human
Source	E.coli
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 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.
Amino Acid Sequence	MAEYGTLLQD LTNNITLEDL EQLKSACKED IPSEKSEEIT TGSAWFSFLE SHNKLDKDNL SYIEHIFEIS RRPDLLTMVV DYRTRVLKIS EEDELDTKLT RIPSAKKYKD IIRQPSEEEI IKLAPPPKKA
Form	Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 10% Glycerol.
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

PEA15 phosphoprotein enriched in astrocytes 15 [Homo sapiens]

Synonyms

PEA15; phosphoprotein enriched in astrocytes 15; homolog of mouse MAT-1 oncogene; Phosphoprotein enriched in astrocytes, 15Kd; PED; MAT1; HMAT1; MAT1H; PEA-15; HUMMAT1H; OTTHUMP00000029886; Phosphoprotein enriched in diabetes; Astrocytic phosphoprotein PEA-15

Gene ID

8682

mRNA Refseq

NM_003768

Protein Refseq

NP_003759

MIM

603434

UniProt ID

Q15121

**Chromosome
Location**

1q21.1

Function

protein binding

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PDB rendering based
on 1n3k.



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