OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AR09282PU-N Human PEA15 (1-130) - Purified

Alternate names: Astrocytic phosphoprotein PEA-15, PED, Phosphoprotein enriched in diabetes

Quantity: 0.1 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: Q15121

NCBI: NP_003759

GeneID: 8682

Species: Human

Source: E. coli

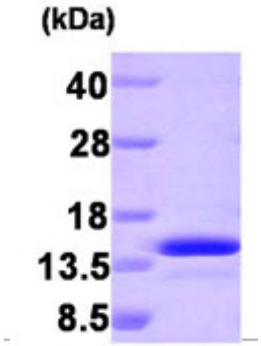
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 10% Glycerol

Description: Recombinant human PEA-15 was expressed in E.coli and purified by using conventional chromatography.
AA Sequence:
MAEYGTLLQD LTNNITLEDL EQLKSACKED IPSEKSEEIT TGSAWFSFLE SHNKLDKDNL SYIEHIFEIS RRPDLLTMVV DYRTRVLKIS EEDELDTKLT RIPSAKKYKD IIRQPSEEEI IKLAPPPKKA
Molecular weight: kDa (130 aa)

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
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.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human PEA-15, 1-130 aa:
15% SDS-PAGE (3 µg)