

Recombinant Human PAWR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PAWR-459H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

PAWR MS Standard C13 and N15-labeled recombinant protein (NP_002574) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a tumor suppressor protein that selectively induces apoptosis in cancer cells through intracellular and extracellular mechanisms. The intracellular mechanism involves the inhibition of pro-survival pathways and the activation of Fas-mediated apoptosis, while the extracellular mechanism involves the binding of a secreted form of this protein to glucose regulated protein 78 (GRP78) on the cell surface, which leads to activation of the extrinsic apoptotic pathway. This gene is located on the unstable human chromosomal 12q21 region and is often deleted or mutated in different tumors. The encoded protein also plays an important role in the progression of age-related diseases.

Molecular Mass

36.6 kDa

AA Sequence

MATGGYRTSSGLGGSTDFLEEWKAKREKMRKQNPVPPGPPGGSSDAAGKPP
AGALGTPAAAAANELNNLPGGAPAAVAVPGPGGVNCAVGSAMLTRAAPGPRRSE
DEPPAASASAAPPPQRDEEEDGVPKKGSSGSPARKGKGQIEKRKLREKRRSTG
VVNIPAAECLDEYEDDEAGQKERKREDAITQQNTIQNEAVNLLDPGSSYLLQEPPT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VSGRYKSTTSVSEEDVSSRYSRTDRSGFPRYNRDANVSGTLVSSSTLEKKIEDLEKE
 VVRERQENLRLVRLMQDKEEMIGKLKEEIDLLNRDLDDIEDENEQLKQENKTLKVV
 GQLTRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PAWR pro-apoptotic WT1 regulator [Homo sapiens (human)]

Official Symbol PAWR

Synonyms PAWR; PRKC, apoptosis, WT1, regulator; PRKC apoptosis WT1 regulator protein; par 4; PAR4; WT1-interacting protein; transcriptional repressor PAR4; prostate apoptosis response 4 protein; prostate apoptosis response protein 4; prostate apoptosis response protein PAR-4; Par-4;

Gene ID 5074

mRNA Refseq NM_002583

Protein Refseq NP_002574

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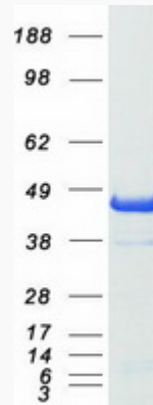
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MIM 601936

UniProt ID Q96IZ0

SDS-PAGE



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