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32-2670: PI16 Recombinant Protein

Alternative Name :	Peptidase inhibitor 16,PI-16,Cysteine-rich secretory protein 9,CRISP-9,PSP94-binding protein,PI16,CRISP9,PSPBP,MSMBBP,MGC45378,DKFZp586B1817.

Description

Source : HEK293 (Human Embryonic Kidney cell line). The Peptidase Inhibitor 16 Human Recombinant is produced in HEK293 cells and fused with a C-terminal Flag Tag (11 amino acids). The PI16 Flag Tagged Fusion Protein is 45.7kDa protein containing a total of 426 amino acid residues and purified by proprietary chromatographic techniques. Peptidase Inhibitor 16 (PI16) which a member of the CRISP family, is a putative serine protease inhibitor. PI16 interacts with PSP94/MSMB. PI16 is expressed in the prostate, testis, ovary and intestine. It also concentrates in prostate cancer patient's sera. PI16 may serve as a marker following prostatectomy for prostate cancer.

Product Info

Amount :	10 µg
Purification :	Greater than 99% as determined by densitometric image analysis.
Content :	PI16 was filtered (0.4µm) and lyophilized from 0.5mg/ml in 20mM Tris and 50mM NaCl, pH 7.5.
Storage condition :	Store lyophilized PI16 Human recombinant at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid :	LTDEEKRLMV ELHNLYRAQV SPPASDMLHM RWDEELAAFA KAYARQCVWG HNKERGRRGE NLFAITDEGM DVPLAMEEWH HEREHYNLSA ATCSPGQMCG HYTQVVWAKT ERIGCGSHFC EKLQGVEETN IELLVCNYEP PGNVKGKRPY QEGTPCSQCP SGYHCKNSLC EPIGSPEDAQ DLPYLVTEAP SFRATEASDS RKMGTPSSLA TGIPAFLVTE VSGSLATKAL PAVETQAPTS LATKDPPSMA TEAPPCVTTE VPSILAAHSL PSLDEEPVTF PKSTHVPIPK SADKVTDKTK VPSRSPENSL DPKMSLTGAR ELLPHAQEEA EAEAELPPSS EVLASVFPAQ DKPGELQATL DHTGHTSSKS LPNFPNTSAT ANATGGRALA LQSSLPGAEG PDKPSVVSGL NSGPGAAADY KDDDDK.

Application Note

It is recommended to add deionized water to prepare a working stock solution of 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

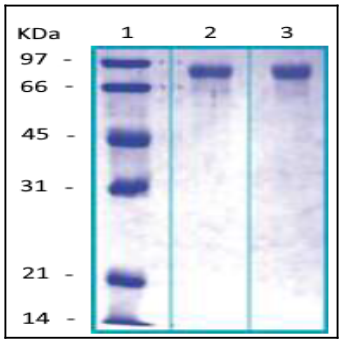


Figure-1: Analysis of PI16 recombinant protein run on 12% SDS-PAGE. Lane 1: M.W. marker, Lane 2: Reduced and boiled sample, 5 µg/lane, Lane 3: Non-reduced and non-boiled sample, 5 µg/lane.

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