

PI16 Human

Description: 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.

Catalog #: ENPS-120

For research use only.

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

Source: HEK293 (Human Embryonic Kidney cell line).

Amino Acid Sequence: LTDEEKRLMV ELHNLYRAQV SPPASDMLHM RWDEELAAFA
KAYARQC VWG HNKERGRGE NLFAITDEGM DVPLAMEEWH HEREHYNLSA ATCSPGQMCG
HYTQVVWAKT ERIGCGSHFC EKLQGVEETN IELLVCNYEP PGNVKGKRPY QEGTPCSQCP
SGYHCKNSLC EPIGSPEDAQ DLPYLVEAP SFRATEASDS RKMGTPLSSLA TGIPAFLVTE
VSGSLATKAL PA

Purity: Greater than 99% as determined by densitometric image analysis.

Formulation:

PI16 was filtered (0.4

Stability:

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.

Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Applications:

Cell culture and/or animal studies, ELISA, Western blotting.

Solubility:

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.

Introduction:

Peptidase Inhibitor 16 (PI16) which is 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.

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