

Peptidase Inhibitor 16 Recombinant Protein | PI16 recombinant protein

Recombinant Human Peptidase Inhibitor 16

CATALOG #
AAA38929

PRODUCT SYNONYMS

Peptidase Inhibitor 16; Recombinant Human Peptidase Inhibitor 16; PI16 Human; Peptidase Inhibitor 16 Human Recombinant; Peptidase inhibitor 16; PI-16; Cysteine-rich secretory protein 9; CRISP-9; PSP94-binding protein; PI16; CRISP9; PSPBP; MSMBBP; MGC45378; DKFZp586B1817; PI16 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 95.0% as determined by SDS-PAGE
Form/Format	PI16 was filtered (0.4 um) and lyophilized from 0.5mg/ml in 20mM Tris and 50mM NaCl, pH 7.5. Filtered White lyophilized (freeze-dried) powder.
Sequence	LTDEEKRLMV ELHNLRYAQV SPPASDMLHM RWDEELAAFA KAYARQCVWG HNKERGRRGE NLFAITDEGM DVPLAMEEWH HEREHYNLSA ATCSPGQMCG HYTVVWAKT ERIGCGSHFC EKLQGVETN IELLVCNYEP PGNVKGKRPY QEGTPCSQCP SGYHCKNSLC EPIGSPEDAQ DLPYLVTEAP SFRATEASDS RKMGT PSSLA TGIPAFLVTE VSGSLATKAL PAVETQAPTS LATKDPPSMA TEAPPCVTTE VPSILAAHSL PSLDEEPTVF PKSTHVPIPK SADKVTDKTK VPSRSPENSL DPKMSLTGAR ELLPHAQEEA EAEALPPSS EVLASVFPAQ DKPGELQATL DHTGHTSSKS LPNFPNTSAT ANATGGRALA LQSSLPGAEG PDKPSVVSGL NSGPGAAADY KDDDDK
Sequence Length	463
Source	HEK293 (Human Embryonic Kidney cell line)
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.
Preparation and Storage	Store lyophilized PI16 Human recombinant at -20 degree C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4 degree C for a limited period of time; it does not show any change after two weeks at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for PI16 recombinant protein	Description: The Peptidase Inhibitor 16 Human Recombinant is produced in HEK293 cells and fused with a C-terminal DYKDDDDK tag (11 amino acids). The PI16 DYKDDDDK tagged Fusion Protein is 45.7kDa protein containing a total of 426 amino acid residues and purified by proprietary chromatographic techniques. Introduction: 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 Categories/Family for PI16 recombinant protein	Enzymes; Peptidase

NCBI AND UNIPROT INFORMATION

NCBI GI #	312434019
NCBI GeneID	221476

NCBI Accession #	NP_001186088.1
NCBI GenBank Nucleotide #	NM_001199159.1
UniProt Accession #	Q6UXB8 ; Q6ZVG9 ; Q8IYL8 ; Q8NBK0 ; Q8TCB8
Molecular Weight	29,674 Da
NCBI Official Full Name	peptidase inhibitor 16
NCBI Official Synonym Full Names	peptidase inhibitor 16
NCBI Official Symbol	PI16
NCBI Official Synonym Symbols	PSPBP; CRISP9; MSMBBP
NCBI Protein Information	peptidase inhibitor 16; PSP94-binding protein; cysteine-rich secretory protein 9; microseminoprotein, beta-binding protein; protease inhibitor 16
UniProt Protein Name	Peptidase inhibitor 16
UniProt Gene Name	PI16
UniProt Synonym Gene Names	CRISP9; PSPBP; PI-16; CRISP-9
UniProt Entry Name	PI16_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pi16-recombinant-protein/38929>