

Peptidase Inhibitor 16 Human Recombinant

Item Number	rAP-1459
Synonyms	Peptidase inhibitor 16, PI-16, Cysteine-rich secretory protein 9, CRISP-9, PSP94-binding protein, PI16, CRISP9, PSPBP, MSMBBP, MGC45378, DKFZp586B1817.
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.
Uniprot Accession Number	Q6UXB8
Amino Acid Sequence	LTDEEKRLMV ELHNLRYAQV SPPASDMLHM RWDEELAAFA KAYARQCVWG HNKERGRERGE NLFAITDEGM DVPLAMEEWH HEREHYNLSA ATCSPGQMCG HYTQVVWAKT ERIGCGSHFC EKLQGVETN IELLVCNYEP PGNVKGKRPY QEGTPCSQCP SGYHCKNSLC EPIGSPEDAQ DLPYL- VTEAP SFRATEASDS RKMGTSSLA TGIPAFVTE VSGSLATKAL PAVETQAPTS LATKDPPSMA TEAPPCVTTE VPSILAAHSL PSLDEEPTVF PKSTHVPIPK SADKVTDKTK VPSRSPENSL DPKMSLTGAR ELLPHAQEEA EAEAELPPSS EVLASVFPAQ DKPGELQATL DHTGHTSSKS LPNFPNTSAT ANATGGRALA LQSSLPGAEG PDKPSVVSGL NSGPGAAADY KDDDDK.
Source	HEK293 (Human Embryonic Kidney cell line).
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	PI16 was filtered (0.4µm) and lyophilized from 0.5mg/ml in 20mM Tris and 50mM NaCl, pH 7.5. Greater than 95.0% as determined by SDS-PAGE.
Application	
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 cul
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**