
Product Data Sheet

Product Name: PI16 Human
 Cat. No.: GP22089
 Batch No.: 1

Product Data

Purity	>98%	Source	HEK293 (Human Embryonic Kidney cell line).
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Peptidase inhibitor 16; PI-16; Cysteine-rich secretory protein 9; CRISP-9; PSP94-binding protein; PI16; CRISP9; PSPBP; MSMBBP; MGC45378; DKFZp586B1817.		
Amino Acid Sequence	<p>LTDEEKRLMV ELHNLYRAQV SPPASDMLHM RWDEELAAFA KAYARQCVWG HNKERGRERGE NLFAITDEGM DVPLAMEEWH HEREHYNLSA ATCSPGQMCG HYTVVWAKT ERIGCGSHFC EKLQGVETN IELLVCNYEP PGNVKGKRPY QEGTPCSQCP SGYHCKNSLC EPIGSPEDAQ DLPYLVTEAP SFRATEASDS RKMGTSSLA TGIPAFLVTE VSGSLATKAL PAVETQAPTS LATKDPPSMA TEAPPCVTTE VPSILAAHSL PSLDEEPVTF PKSTHVPIPK SADKVTDKTK VPSRSPENSL DPKMSLTGAR ELLPHAQEEA EAEAELPPSS EVLASVFPAQ DKPGELQATL DHTGHTSSKS LPNFPNTSAT ANATGGRALA LQSSLPGAEG PDKPSVVSGL NSGPGAAADY KDDDDK.</p>		
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.		
Formulation	PI16 was filtered (0.4µm) and lyophilized from 0.5mg/ml in 20mM Tris and 50mM NaCl, pH 7.5.		

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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 .

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA