

Recombinant Human peptidase inhibitor 16 Protein, His&GST tagged

Cat. No. PI16-13HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human peptidase inhibitor 16 Protein (28-463aa) with His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	28-463aa
Description	Predicted to enable peptidase inhibitor activity. Predicted to be involved in negative regulation of peptidase activity. Predicted to act upstream of or within negative regulation of cell growth involved in cardiac muscle cell development. Predicted to be active in extracellular space.
Tag	His&GST
Molecular Mass	73.6 kDa
AA Sequence	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY YIDGDVKLTQSMARIYIADKHNLGGCPKERAIEISMLEGAVLDIRYGVSR IAYSKDFE TLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA FPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKLTDEEKRLMVE LHNL YRAQVSPTASDMLHMRWDEELAAFAKAYARQCVWGHNKERGRRGENLFAIT DEGMDVPLAMEEWHHEREHYNLSAATCSPGQMC GHYTQV VVWAKTERIGCGSHFC

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EKLQGVEETNIELLVVCNYEPPGNVKGKRPYQEGTPCSQCPSGYHCKNSLCEPIGSP
 EDAQDLPLYLVTEAPSFRAEASDSRKMGTPTSSLATGIPAFLVTEVSGSLATKALPAV
 ETQAPTSLATKDPPSMATEAPPCVTTEVPSILAAHSLPSLDEEPVTFPKSTHVPIPKS
 ADKVTDKTKVPSRSPENSLDPKMSLTGARELLPHAQEEAEAEELPPSSEVLASVFP
 AQDKPGELQATLDHTGHTSSKSLPNFPNTSATANATGGRALALQSSLPGAEGPDKP
 SVVSGLNSGPGHVWGPLLGLLLPPLVLGIFHHHHHHHHHH

Purity > 90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer 25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 10% glycerol

Concentration 0.65 mg/mL by BCA

GENE INFORMATION

Gene Name [PI16 peptidase inhibitor 16 \[Homo sapiens \(human\) \]](#)

Official Symbol [PI16](#)

Synonyms PI16; peptidase inhibitor 16; protease inhibitor 16; dJ90K10.5; MGC45378; microseminoprotein; beta binding protein; MSMBBP; PSP94-binding protein; cysteine-rich secretory protein 9; microseminoprotein, beta-binding protein; PSPBP; CRISP9; DKFZp586B1817;

Gene ID [221476](#)

mRNA Refseq [NM_001199159](#)

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Protein Refseq	NP_001186088
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UniProt ID	Q6UXB8
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