

Peptidase Inhibitor 16 (PI16) Recombinant Protein | PI16 recombinant protein

Recombinant Peptidase Inhibitor 16 (PI16)

CATALOG # AAA134061	HOST E Coli	APPLICATIONS Western Blot, SDS-Page
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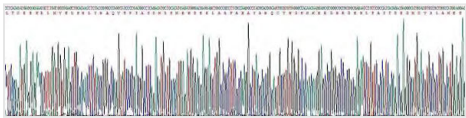
PRODUCT SYNONYMS

Peptidase Inhibitor 16 (PI16); Recombinant Peptidase Inhibitor 16 (PI16); PI16 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200 ug/mL (varies by lot)
Applicable Applications for PI16 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Leu28~Gly247
Tags	N-terminal His and GST Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	5.3
Predicted Molecular Mass	54.5kDa
Accurate Molecular Mass	60kDa as determined by SDS-PAGE reducing conditions
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

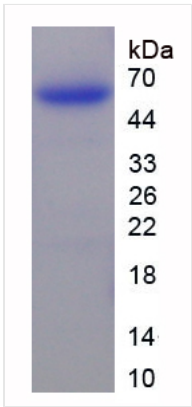
IMAGES



Application Data

LTD EEKRLMVELH NLYRAQVSPT
ASDMLHMRND EELAAFAKAY ARQCVGHNK ERRRGENLF AITDEGMDVP
LAMEEWHHER EHYNLSAATC SPQMGCHYT QVWAKTERI GCGSHFCEKL
QGVEETNIEL LVCNYEPPGN VKGKRPYQEG TPCSQCPSGY HCKNSLCEPI
GSPEDAQDLP YLVTEAPSFRR ATEASDSRKM GAEGPDKPSV VSGLNSG

Application Data



SDS-PAGE

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
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; protease inhibitor 16; cysteine-rich secretory protein 9; microseminoprotein, beta-binding protein
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.