RPQ943Bo01 1

Recombinant Peptidase Inhibitor 16 (PI16)

Organism Species: *Bos taurus; Bovine (Cattle)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Leu28~Pro442

Tags: N-terminal His Tag

Subcellular Location: Membrane

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 100μg

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.8

Predicted Molecular Mass: 48.4kDa

Accurate Molecular Mass: 48kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.
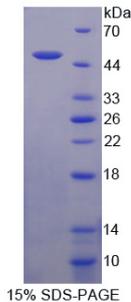
Store at 2-8ºC for one month.

Aliquot and store at -80ºC 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.

[SEQUENCE]

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LSE EEKHVMVELH NLYRTQVSPP
ATNMLQMRWD EELAAFAKAY AQQCVWGHNK ERGRRGENLF AITGEGLDVP
LAMEEWHHER EHYNLSAISC AAGQMCGHYT QVVWAKTERI GCGSHFCEKL
QGVEETNIHL LVCNYEPPGN VKGQRPYQEG TPCSQCPLGY HCKNSLCEPI
RGPEEAQDLS SLVPEAPSSL ATEASSSRRE GIDSSLATEP PPFLVTEVSG
SLATKVLSSV ETKAPSSLVT EDSPSMATKT PLSLATKVPS VLATHSLLSL
DKRPATLLPK STHDPIPKSA DKEASSTRMP SRIPESSLHP KISLMGTREP
LPLSQEEGEA EAELAHCSEI LASVFPAQEK PGELQTTLKH KGHSSSKSLS
NSPSASATAN AVGGRTLALQ SSLPDAEGPG KHGFRSGSNA SP
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[IDENTIFICATION]

15% SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.