

PRODUCT DATA SHEET

Peptidase inhibitor 16 Human HEK293

Cat. No.: RD172165100

Size: 0.1 mg

Source: HEK293

Type: Recombinant protein

Species: Human

Other Names:

PI-16, Cysteine-rich secretory protein 9, CRISP-9, PSP94-binding protein, PSP94-BP, PI16, CRISP9, PSPBP, Peptidase inhibitor 16

Description:

Total 426 AA. MW 45.7 kDa (calculated), C-Terminal Flag-tag (11 extra AA). UniProt entry Q6UXB8.

Amino Acid Sequence:

LTDEEKRLMV ELHNLYRAQV SPPASDMLHM RWDEELAafa KAYARQCVWG HNKERGRGE
NLFAITDEGM DVPLAMEEWH HEREHYNLSA ATCSPGQMCg HYTQVVWAKT ERIGCGSHFC
EKLGQVEETN IELLVCNYEP PGNVKGKRPY QEGTPCSQCP SGYHCKNSLC EPIGSPEDAQ
DLPYLVTEAP SFRATEASDS RKMGTpSSLA TGIPAFLVTE VSGSLATKAL PAVETQAPTS
LATKDPPSMA TEAPPCVTTE VPSILAAHSL PSLDEEPVTF PKSTHVPIPK SADKVTDKTK
VPSRSPENSL DPKMSLTGAR ELLPHAQEEA EAEAEELPPSS EVLASVFPAQ DKPGELQATL
DHTGHTSSKS LPNFNTSAT ANATGGRALA LQSSLPGAEG PDKPSVVSGL NSGPAAAADY
KDDDDK

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Filtered (0,4 μm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM NaCl, pH 7.5

Reconstitution:

Add deionized water to prepare a working stock solution of 0.5 mg/mL and let the lyophilized pellet dissolve completely.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

Quality Control:

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

Endotoxin level determination.

Applications:

ELISA, Western blotting