

PRODUCT DATA SHEET

Neuroserpin Human E. coli

Cat. No.: RD172326100

Size: 0.1 mg

Source: E. coli

Type: Recombinant protein

Species: Human

Other Names:

Peptidase inhibitor 12, PI-12, Serpin I1, SERPINI1, PI12

Description:

Total 404 AA. MW: 45.9 kDa (calculated). UniProtKB acc.no. Q99574 (Thr17-Leu410). N-Terminal His-tag (10 extra AA). Protein identity confirmed by MS.

Amino Acid Sequence:

MKHHHHHHAS TGATFPPEEAI ADLSVNMYNR LRATGEDENI LFSPLSIALA MGMMELGAQG
STQKEIRHSM GYDSLKNGEE FSFLKEFSNM VTAKESQYVM KIANSLFVQN GFHVNEEFLO
MMKKYFNAAV NHVDFSQNVV VANYINKWVE NNTNNLVKDL VSPRDFDAAT YLALINAVYF
KGNWKSQFRP ENTRTFSTFK DDESEVQIPM MYQQGEFYEG EFSKGSNEAG GIYQVLEIPY
EGDEISMMLV LSRQEVPLAT LEPLVKAQLV EEWANSVKKQ KVEVYLPRFT VEQEIDLKDV
LKALGITEIF IKDANLTGLS DNKEIFLSKA IHKSFLEVNE EGSEAAAVSG MIAISRMAVL
YPQVIVDHPF FFLIRNRRTG TILFMGRVMH PETMNTSGHD FEEL

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized in 0.5 mg/mL in 0.025M phosphate buffer, 0.035M NaCl, pH 7.4

Reconstitution:

Add 200ul of 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 protein at -80°C. Protein remains stable until the expiry date when stored at -80°C. Avoid repeated freezing/thawing cycles. Defrosted 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

Note:

This product is intended for research use only.