Kallistatin Human HEK293

Product Data Sheet

Type: Recombinant
Source: HEK293
Species: Human
Other names: Serpin A4; Kallikrein inhibitor; Peptidase inhibitor 4; PI-4; SERPINA4; KST; PI4; Serpin Peptidase Inhibitor, Clade A (Alpha-1 Antiproteinase, Antitrypsin), Member 4

Cat. No.:
RD172436100 (0.1 mg)

Description

Total 417 AA. MW: 47.7 kDa (calculated). UniProtKB acc. No. P29622 (Gln21-Pro427). C-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Amino Acid Sequence

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QLHVEHDGES CSNSSHQQIL ETGEGSPSLK IAPANADFAF RFYYLIASET PGKNIFFSPL SISAAYAMLS LGACSHSRSQ
ILEGLGFNLT ELSESDVHRG FQHLLHTLNL PGHGLETRVG SALFLSHNLK FLAKFLNDTM AVYEAKLFHT NFYDTVGTIQ
LINDHVKKET RGKIVDLVSE LKKDVLMVLV NYIYFKALWE KPFISSRTTP KDFYVDENTT VRVPMMLQDQ EHHWYLHDRY
LPCSVLRMDY KGDATVFFIL PNQGKMREIE EVLTPEMLMR WNNLLRKRNF YKKLELHLPK FSISGSYVLD QILPRLGFTD
LFSKWADLSG ITKQQKLEAS KSFHKATLDV DEAGTEAAAA TSFAIKFFSA QTNRHILRFN RPFLVVIFST STQSVLFLGK
VVDPTKPHHH HHHHHHH
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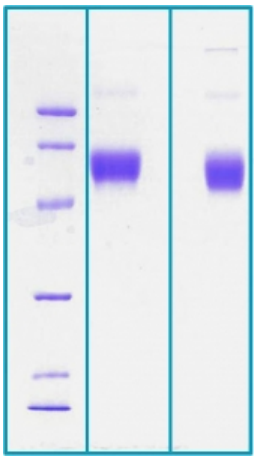
Source

HEK293

Purity

Purity as determined by densitometric image analysis: > 95 %

SDS-PAGE gel



12 % SDS-PAGE separation of Human Kallistatin (HEK):

1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa

2. Reduced and boiled sample, 2.5 µg/lane

3. Non-reduced and non-boiled sample, 2.5 µg/lane

Endotoxin

< 1.0 EU/µg

Formulation

Filtered (0.4 µm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline pH 7.4 with 5 % (w/v) Trehalose.

Reconstitution

Add 200 µl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell

culture.

Shipping

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

Storage, Stability/Shelf Life

Store the 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 Test

BCA to determine quantity of the protein.
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

Applications

Cell culture and/or animal studies, ELISA, Western blotting

Note

This product is intended for research use only.

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