

32-4810: Recombinant Human Kallistatin

Alternative Name : Serpin Peptidase Inhibitor, Clade A (Alpha-1 Antiproteinase, Antitrypsin) Member 4, PI4, KST, Serine (Or Cysteine) Proteinase Inhibitor, Clade A (Alpha-1 Antiproteinase, Antitrypsin), Member 4, Peptidase Inhibitor 4, Kallikrein Inhibitor, Serpin A4,

Description

Source : HEK 293. SERPINA4 Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (Gln21-Pro427) containing a total of 417 amino acids, having a calculated molecular mass of 47.7kDa and fused to a 10 aa His tag at C-Terminus. Kallistatin (SERPINA4) inhibits human amidolytic and kininogenase activities of tissue kallikrein. This inhibition is attained by formation of an equimolar, heat- and SDS-stable complex between the inhibitor and the enzyme, and production of a small C-terminal fragment of the inhibitor as a result of cleavage at the reactive site by tissue kallikrein.

Product Info

Amount : 10 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : SERPINA4 was filtered (0.4µm) and lyophilized from 0.5mg/ml solution in phosphate buffered saline pH 7.4 and 5% (w/v) Trehalose.
Storage condition : Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid : QLHVEHDGES CSNSSHQIL ETGEGSPSLK IAPANADFAF RFYYLIASET PGKNIFFSPL SISAAYAMLS LGACSHRSRQ ILEGLGFNLT ELSQDVHRG FQHLLHTLNL PGHGLETRVG SALFLSHNLK FLAKFLNDTM AVYEAKLFHT NFYDTVGTIQ LINDHVKKET RGKIVDLVSE LKKDVLMLV NYIYFKALWE KPFISSRTTP KDFYVDENTT VRVPMMLQDQ EHHWYLHDIR LPCSVLRMDY KGDATVFFIL PNQGMREIE EVLTPEMLMR WNNLLRKRNF YKKLELHLPK FSISGSYVLD QILPRLGFTD LFSKWADLSG ITKQKLEAS KSFHKATLDV DEAGTEAAAA TSFAIKFFSA QTNRHILRFN RPFLVVIFST STQSVLFLGK VVDPTKPHHH HHHHHHH.

Application Note

It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. SERPINA4 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

