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SERPINC1, 33-464aa Human, His tag, E.coli

产品货号: TP03902

第三版

别名:Antithrombin-III precursor, AT3, AT3D, ATIII, THPH7

描述:Antithrombin-III precursor, also known as SERPINC1, is a plasma protease inhibitor and a member of the serpin superfamily. This protein inhibits thrombin as well as other activated serine proteases of the coagulation system, and it regulates the blood coagulation cascade. The inhibitory activity of SERPINC1 is amplified in the presence of heparin. SERPINC1 inhibits Thrombin and Factors IXa, Xa and XIa. Defects in the gene SERPINC1, which encodes for ATIII, can cause ATIII deficiency, an autosomal dominant disease which is a risk factor for hereditary thrombophilia. Recombinant human SERPINC1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

分子量:51.4kDa (455aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSHGSPVDICTAKPRDIPMNPMCIYRSPEKKATEDEGSEQKIPEATNRRVWELSKANSR
FATTFYQHLADSKNDNDNIFLSPLSISTAFAMTKLGACNDTLQQLMEVFKFDTISEKTSQIHFFFAKLNCRLYRKANKSSK
LVSANRLFQDKSLTFNETYQDISLVYGAQLQPLDFKENAEQSRAAINKWVSNKTEGRITDVIPSEAINELTVLVLVNTIYFK
GLWKSFKFSPENTRKELFYKADGESCSASMMYQEGKFRYRRVAEGTQVLELFPKGDDITMVLILPKPEKSLAKVEKELTPEVL
QEWLDELEEMMLVVHMPRFRIEDGFSLKEQLQDMGLVDLFSPEKSKLPGIVAEGRDDLYVSDAFHKAFLEVNEEGSEAAA
STAVVIAGRSLNPNRVTFKANRPFLVFIREVPLNTIIFMGRVANPCVK

纯度:> 95% by HPLC

浓度:0.5 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.