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CST5, 26-142aa, Human, His tag, Insect cell

产品货号: TP01751

第三版

别名:Cystatin D

描述:CST5, also known as Cystatin-D, is a novel member of the cystatin superfamily. The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions. Two alleles of the cystatin D gene (CST5), encoding protein variants with either Cys or Arg as residue 26 in their 122-residue polypeptide chains, are present in the population. Recombinant human CST5, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

配方:Liquid. In phosphate buffered saline (pH7.4) containing 10% glycerol.

分子量:14.36kDa (123aa) (13.5-18kDa in SDS-PAGE under reducing conditions.)

序列:

QSRTLAGGIHATDLNDKSVQRALDFAISEYNKVINKDEYYSRPLQVMAAYQQIVGGVNYFFNVKFGRTTCTKSQPNLDN
CPFNDQPKLKEEEFCFSQINEVPWEDKISILNYKCRKVHHHHHH

纯度:> 95% by HPLC

浓度:0.5mg/ml (determined by absorbance at 280nm)

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.