

Product information

Cystatin-C, 21-140aa

Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3218

NCBI Accession No.: NP_034106

Synonyms: CST3, CysC

Description: CST3, also known as Cystatin-C is a member of family 2 of the cystatin superfamily. This protein is a secreted type 2 cysteine protease inhibitor synthesized in all nucleated cells, has been proposed as a replacement for serum creatinine for the assessment of renal function, particularly to detect small reductions in glomerular filtration rate. It is involved in processes such as tumor invasion and metastasis, inflammation and some neurological diseases. It inhibits many cysteine proteases such as papain and cathepsins B, H, K, L and S. It indicates that a murine model should be relevant for studies of the human disease, hereditary Cystatin C amyloid angiopathy. Recombinant Mouse CST3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

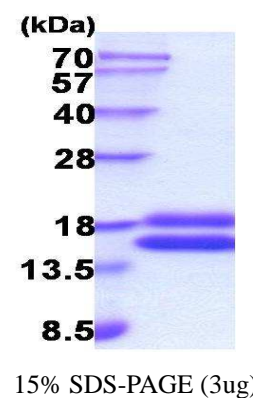
Molecular Weight: 14.2kDa (126aa) confirmed by MALDI-TOF
13.5-18kDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Ala21

Purity: > 95% by SDS – PAGE.

Concentration: 1mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



Sequences of amino acids:

ATPKQGPRML GAPEEADANE EGVRALDFA VSEYNKGSND AYHSRAIQVV RARKQLVAGV NYFLDVEMGR TTCTKSQTNL TDCPFHDQPH
LMRKALCSFQ IYSVPWKGTH SLTKFCKNA HHHHHH

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:
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Product information

General references:

Janowski. R., *et al.* (2001) *Nat. Struct. Biol.* 8(4):316-20.

Mussap M., *et al.* (2004) *Crit Rev Clin Lab Sci.* 41(5-6):467-550.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

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