

Human Cystatin-A, His-Tag

Synonyms: Cystatin-A, Cystatin-AS, Stefin-A, CSTA, STF1, STFA.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	4100.950.005		
20 µg	4100.950.020		
1 mg	4100.950.199		

Please enquire for bulk quantities and other vial sizes

Description

Cystatin A Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 118 amino acids (1-98a.a.) and having a molecular mass of 13.1 kDa. The Cystatin A is fused to a 20 amino acid His tag at N-terminus.

- **Source** *E. Coli*
- **Purity** ≥ 95% as determined by reducing SDS-PAGE.
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Cystatin-A (1mg/ml) in 20mM Tris-HCl buffer (pH8.0), 1mM DTT and 10% glycerol*
- **Physical state** Sterile filtered clear solution

Biological Activity

The IC₅₀ value is < 1.0nM. The inhibitory function of CSTA on protease activity of papain was measured by a fluorometric assay using Z-FR-AMC at pH 7.5 at 25C.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MGSSHHHHHH SSGLVPRGSH MIPGGLSEAK PATPEIQEIV DKVKPQLEEK TNETYGKLEA VQYKTQVVAG
 TNYIYIKVRAG DNKYMHLKVF KSLPGQONEDL VLTGYQVDKN KDELDTGF

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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