

Cystatin-C Human Recombinant, Active

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| Item Number | rAP-3134 |
| Synonyms | Cystatin-C, Cystatin-3, Neuroendocrine basic polypeptide, Gamma-trace, Post-gamma-globulin, CST3, MGC117328. |
| Description | Cystatin-C Human Recombinant produced in HEK cells is a non-glycosylated monomer, having a molecular weight of approximately 13kDa. The Cystatin-C is purified by proprietary chromatographic techniques. |
| Uniprot Accession Number | Q6FGW9 |
| Amino Acid Sequence | |
| Source | HEK. |
| Physical Appearance and Stability | Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Cystatin-C although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Cystatin-C should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles. |
| Formulation and Purity | The Cystatin-C was lyophilized from 1mg/ml in 1xPBS. Greater than 95% as observed by SDS-PAGE. |
| Application | |
| Solubility | It is recommended to reconstitute the lyophilized Cystatin-C in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions. |
| Biological Activity | The inhibitory function of Cystatin-C on papain's protease activity was measured by a colorimetric assay using L-BAPA as substrate. IC50 value was measured at 5-20 µg/ml (0.3-1.5 µM) with a range of 1.56-50µg/ml Cystatin-C in presence of 0.55µM papain and |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**