

Recombinant Human CSTA

Catalog#:P00803 Derived from *E.coli*

DESCRIPTION	<p>Recombinant Human Cystatin A is produced by our E.coli expression system and the target gene encoding Ile2-Phe98 is expressed with a 6His tag at the N-terminus.</p> <p>Accession#: P01040</p> <p>Known as: Cystatin-A; Cystatin-AS; Stefin-A; CSTA; STF1; STFA</p>
FORMULATION	Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, pH 8.0.
SHIPPING	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at <-20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
RECONSTITUTION	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass: 11.8kDa AP Mol Mass: 14kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.</p>
BACKGROUND	<p>Human Cystatin A (CSTA) is a member of family 1 of the cystatin superfamily, which is characterized by lacking of disulphide bonds and carbohydrates. Cystatin A is an intracellular inhibitor regulating the activities of cysteine proteases of the papain family such as Cathepsins B, H and L. Cystatin A is also implicated in a number of disease states. Due to altered proteolytic state in cancer progression, Cystatin A may play a role in the proteolytic pathways.</p>
SDS-PAGE	