



# Recombinant Human Cystatin C (Cys-C) (DAG-WT1842)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Conjugate</b>	His
<b>Applications</b>	ELISA, CLIA, LFIA,
<b>Molecular Weight</b>	15 kDa
<b>Format</b>	Liquid or Lyophilized powder
<b>Size</b>	100 µg, 500 µg
<b>Buffer</b>	20 mM Tris-HCl, pH=8.0, with 300 mM NaCl and 500 mM Imidazole
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C to -80°C. Avoid repeated freeze/thaw cycles

## BACKGROUND

<b>Introduction</b>	Cystatin C (Cys C), originally called as gamma-trace and post-gamma-globulin, is a non-glycosylated low molecular weight protein found in many body fluids and secretions. The structure of the Cys C is a composition of five antiparallel $\beta$ -sheets wrapped around a central helix with the disulfide bonds of between residues 73 and 83 and between residues 97 and 117. The molecular mass of Cys C is 13,343 Da (nonhydroxylated) and 13,359 Da (hydroxylated proline residue at position 3). The isoelectric point of Cys C is 9.3 and thus positively charged in all body fluids.
<b>Keywords</b>	Cystatin C; Cys C; Kidney marker