



Recombinant Canine Cystatin C Protein (a.a. 46-147) [His] (DAGC067)

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

PRODUCT INFORMATION

Product Overview	It is Recombinant Dog CST3 Ala46-Lys147 with N-terminal His Tag produced in E. coli with His, N-Terminal tag(s). and is low in endotoxin Less than 1.0 EU/µg protein (determined by LAL method).
Species	Canine
Purity	Greater than 97%
Conjugate	His
Molecular Weight	16kDa
Reconstitution	PBS or 20mM Tris, 150mM NaCl, pH8.0 to 0.1-1.0mg/ml.
Endotoxin	Less than 1.0 EU/µg protein (determined by LAL method).
Format	Lyophilized
Size	200 µg, 1 mg
Buffer	Lyophilized from 20mM Tris, 150mM NaCl, pH8.0, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, Proclin300.
Preservative	Proclin300
Storage	Store at 4°C for up to 1 month, or aliquot and store at -80°C for up to 1 year. Avoid freeze-thaw cycles.

BACKGROUND

Introduction

Cystatin C or cystatin 3 (formerly gamma trace, post-gamma-globulin, or neuroendocrine basic polypeptide), a protein encoded by the CST3 gene, is mainly used as a biomarker of kidney function. Recently, it has been studied for its role in predicting new-onset or deteriorating cardiovascular disease. It also seems to play a role in brain disorders involving amyloid (a specific type of protein deposition), such as Alzheimer's disease.

Keywords

Cystatin C; CST3; Canine Cystatin C; Canine CST3