

General Information

Gene Name Synonym

Grancalcin, GCA, GCL

Protein Construction

A DNA sequence encoding the Human GCA/GCL Met1-Ile217 is expressed with a GST tag at the Nterminus.

Organism

Human

Expression Host

E. coli

QC Testing

Purity

>95% as determined by SDS-PAGE.

Endotoxin

 ${<}1.0$ EU per μg protein as determined by the LAL method.

Stability

Store for up to 12 months at -20° C to -80° C as lyophilized powder. Aliquots of reconstituted samples are stable at < -20° C for 3 months.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20mM TrisHCl, 500mM Nacl, pH 8.5 .

Usage Guide

Storage

Lyophilized protein should be stored at $<-20^{\circ}$ C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Reconstitution

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μ g/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE

kDa	МК	NR	R
170 130			
94	-		
72 55	3		_
43	-		
34	-		
26	•		

Human GCA/GCL (GST tag) recombinant protein