Datasheet for ABIN7318548

Grancalcin Protein

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Overview

Quantity:	50 µg
Target:	Grancalcin (GCA)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Grancalcin/GCA Protein
Sequence:	Met 1-Ile217
Characteristics:	Recombinant Human Grancalcin is produced by our E.coli expression system and the target gene encoding Met1-Ile217 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Grancalcin (GCA)
Alternative Name:	Grancalcin/GCA (GCA Products)
Background:	Background: Grancalcin (GCA) is a cytoplasmic granule membrane protein that contains 4 EF-hand domains. GCA is calcium-binding protein and particularly abundant in human neutrophils. GCA is highly expressed in bone marrow, and it can be detected in neutrophils and macrophages. Calcium-binding protein GCA cooperates with SRI and LCP1, so it may play a

Target Details

	role in the adhesion of neutrophils to fibronectin. GCA also may play a role in the formation of focal adhesions. Synonym: Grancalcin, GCA, GCL
Molecular Weight:	24.0 kDa
UniProt:	P28676

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 1 mM EDTA, pH 8.5.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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