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Datasheet for ABIN7318304 **CGREF1 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	CGREF1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CGREF1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CGREF1/CGR11 Protein (His Tag)
Sequence:	Ala20-Ile301
Characteristics:	Recombinant Human Cell Growth Regulator with EF Hand Domain Protein 1 is produced by our Mammalian expression system and the target gene encoding Ala20-Ile301 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CGREF1
Alternative Name:	CGREF1/CGR11 (CGREF1 Products)
Background:	Background: Cell Growth Regulator with EF Hand Domain Protein 1 (CGREF1) is a secreted calcium ion binding protein. CGREF1 contains two EF-hand domains and both EF-hands are

Target Details

required for function. Human CGREF1 is synthesized as a 301 amino acid precursor that contains a 19 amino acid signal sequence, and a 282 amino acid mature chain. CGREF1 is probably digested extracellularly by an unknown serine protease generating extremely hydrophobic bioactive peptides. CGREF1 mediates cell-cell adhesion in a calcium-dependent manner. In addition, CGREF1 is able to inhibit growth in several cell lines.

Synonym: Cell Growth Regulator with EF Hand Domain Protein 1, Cell Growth Regulatory Gene 11 Protein, Hydrophobestin, CGREF1, CGR11

Molecular Weight: 30.9 kDa

UniProt: [Q99674](#)

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 GaCl₂, pH 7.5.

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.