

CGREF1 抗原（重组蛋白）

中文名称： CGREF1 抗原（重组蛋白）

英文名称： CGREF1 Antigen (Recombinant Protein)

别名： cell growth regulator with EF-hand domain 1; CGR11

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 124-301 amino acids of human CGREF1

技术规格

Full name:	cell growth regulator with EF-hand domain 1
Synonyms:	CGR11
Swissprot:	Q99674
Gene Accession:	BC034764
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	CGREF1 (cell growth regulator with EF-hand domain 1), also known as CGR11, is a 301 amino acid secreted protein that contains two highly conserved calcium binding EF-hand domains, which are required for mediating cell-cell adhesion. Induced by p53, CGREF1 is able to inhibit cell growth in various cell lines. CGREF1 is encoded by a gene located on human chromosome 2, which houses over 1,400 genes and comprises nearly 8% of the human genome. Harlequin ichthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene, while the lipid metabolic disorder sitosterolemia is associated with defects in the ABCG5 and ABCG8 genes. Addition

ally, an extremely rare recessive genetic disorder, Alstrwm syndrome, is caused by mutations in the ALMS1 gene, which maps to chromosome 2.