

## 32-13149: CGREF1 Human

### Alternative Name :

Cell Growth Regulator With EF-Hand Domain 1, Cell Growth Regulatory Gene 11 Protein, Hydrophobestin, CGR11, Cell Growth Regulator With EF Hand Domain Protein 1, Cell Growth Regulator With EF Hand Domain 1, Cell growth regulator with EF hand domain protein 1.

### Description

Source: Escherichia Coli.

Sterile filtered colorless solution.

Cell Growth Regulator with EF-Hand Domain 1, also known as CGREF1 is a secreted calcium ion binding protein. CGREF1 includes two EF-hand domains & both EF-hands are essential for function. CGREF1 is most likely digested extracellularly by an unfamiliar serine protease generating extremely hydrophobic bioactive peptides. CGREF1 mediates cell-cell adhesion in a calcium-dependent manner. In addition, CGREF1 is capable to inhibit growth in more than a few cell lines.

CGREF1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 305 amino acids (20-301 a.a) and having a molecular mass of 32.3kDa.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 85% as determined by SDS-PAGE.

**Content :** CGREF1 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH7.4).

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSAPKDGVT RPDSEVQHQL LPNPFQPGQE QLGLLQSYLK  
GLGRTEVQLE HLSREQVLLY LFALHDYDQS GQLDGLELLS MLTAALAPGA ANSPTTNPVI LIVDKVLETQ  
DLNGDGLMTP AELINFPGVA LRHVEPGEPL APSPQEPQAV GRQSLLAKSP LRQETQEAPG PREEAKGQVE  
ARRESLDPVQ EPGGQAEADG DVPGPRGEAE GQAEAKGDAP GPRGEAGGQA EAEGDAPGPR  
GEAGGQAEAR ENGEEAKELP GETLESKNTQ NDFEVHIVQV ENDEI.