

**Recombinant Human CGREF1/CGR11 Protein(C-6His)**

**Cat.NO.: TP05258**

3th Edition

**Synonyms:**Cell Growth Regulator with EF Hand Domain Protein 1; Cell Growth Regulatory Gene 11 Protein; Hydrophobestin; CGREF1; CGR11

**Description:**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 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.

**Form:**PBS

**Molecular Weight:**30.9 kDa

**Sequences:**Ala20-Ile301

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.