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CGREF1 Human

Cell Growth Regulator With EF-Hand Domain 1 Human Recombinant
RCP0415

Product Overview

Name	CGREF1 Human
Description	
Cell Growth Regulator With EF-Hand Domain 1 Human Recombinant	
Accession (Primary)	Q99674
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
CGREF1 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH7.4).	
Stability	
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.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS APKDGVT 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.

Precautions

CGREF1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99674)