

Recombinant Human CGREF1 Protein

Catalog #	Source	Reactivity	Applications
CRP1298	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CGREF1 Protein is produced by our mammalian expression system and the target gene encoding Ala20-Ile301 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM CaCl ₂ , pH 7.5.		
Gene Symbol	CGREF1		
Alternative Names	CGR11; Cell growth regulator with EF hand domain protein 1; Cell growth regulatory gene 11 protein; Hydrophobestin		
Entrez Gene	10669 (Human)		
SwissProt	Q99674 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	APKDGVTRPD SEVQHQLLPN PFQPGQEQLG LLQSYLKGLG RTEVQLEHLS REQVLLYLFA LHDYDQSGQL DGLELLSMLT AALAPGAANS PTTNPVILIV DKVLETQDLN GDGLMTPAEL INFPGVALRH VEPGEPLAPS PQEPQAVGRQ SLLAKSPLRQ ETQEAPGPPE EAKGQVEARR ESLDPVQEPG GQAEADGDVP GPRGEAEGQA EAKGDAPGPR GEAGGQAEAE GDAPGPRGEA GGQAEARENG EEAKELPGET LESKNTQNDF EVHIVQVEND EIVDHHHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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