

Recombinant human cGREF1

Catalog C002

Lot A0020

product specification sheet: PS-C002



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Product description

Human cGREF1 is a secretory protein produced in many tissues such as pituitary gland, adrenal gland, kidney, large intestine, epididymis and ovary and may be involved in tumor growth. The protein is involved in calcium dependent cell adhesion. Increased expression inhibits cell growth by increased cell adhesion. The expression of cGREF1 is up-regulated by p53.

Reference sequences:	NM_006569 NP_006560 Swiss-prot Q99674
Alternative names:	cell growth regulator with EF-hand domain 1 Hydrophobestin CGR11 Cell growth regulatory gene 11 protein
Gene ID:	10669

Residues 20-318 of human cGREF1 were cloned, the protein was over-expressed in HEK293EBNA1 cells and was purified to homogeneity. The calculated molecular weight of recombinant human cGREF11 is 35.6 kDa and it contains an C-terminal strep-tag. Each vial contains 100 µg cGREF1.

Storage and stability

cGREF1 should be stored at - 80 °C (stable for at least 1 year). The buffer contains PBS without preservative. After thawing it should be stored in appropriate small aliquots at - 20 °C or - 80 °C (stable for at least 2 months).

Sequence

gsapkdgvtrpdsevqhqlpnpfqpgqeqlglqsyklgrtevglehlseqvlllylfalhdqsgqldgllslmtaalapgaansp
ttnpvilvdkvletqldngdglmtpaelfnpgvalrhvepgeplaspqepqavgrqslakspqrqetqeaaggpreeakgqvearres
ldpvqepggqaeagdvpgprgeaegqaeakgdapgpgeaggqaeagdvpgprgeaggqaeagdvpgprgeaggqae
arengaeakelpgetleskntqndfevhivqvendeiaawshpqqfekgaawshpqqfekgaawshpqqfekgaa*

References

1: European Journal of Cell Biology, Volume 88, Issue 9, September 2009, Pages 521–529

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