

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

GCA, 1-217aa, Human, His tag, E.coli

产品货号: TP02206

第三版

别名: Grancalcin, GCL

描述: GCA, also known as Grancalcin, is calcium-binding protein that is especially abundant in human neutrophils. It belongs to the penta EF-hand (PEF) subfamily of EF-hand proteins, which also comprises calpain, sorcin, peflin, and ALG-2. This protein undergoes important conformational changes upon binding of calcium, which subsequently exposes hydrophobic amino acid residues, which direct the protein to hydrophobic surfaces. It interacts with L-plastin, a protein known to have actin bundling activity, which suggests that GCA may play a role in the regulation of neutrophils adhesion.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl

分子量: 26.1 kDa (237aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMAYPGYGGGFGNFSIQVPGMQMGQPVPETGPAILLDGYSGPAYSDTYSSAGDSVYTYFS
AVAGQDGEVDAEELQRCLTQSGINGTYSFSLQTCRIMIAMLDRDHTGKMGFNAFKELWAALNAWKENFMTVDQDGS
GTVEHHELQRQAIGLMGYRLSPQTLTTIVKRYSKNGRIFDDYVACCVKLRALTDFFRKRDLHQQGSANFIYDDFLQGTMA
I

纯度: > 95% by HPLC

浓度: 1.0 mg/ml (determined by BCA assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.