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GCA Recombinant Protein

CATALOG NO.: XW-RP3092

BACKGROUND:
This gene product, grancalcin, is a calcium-binding protein abundant in neutrophils and macrophages. It belongs to the penta-EF-hand subfamily of proteins which includes sorcin, calpain, and ALG-2. Grancalcin localization is dependent upon calcium and magnesium. In the absence of divalent cation, grancalcin localizes to the cytosolic fraction; with magnesium alone, it partitions with the granule fraction; and in the presence of magnesium and calcium, it associates with both the granule and membrane fractions, suggesting a role for grancalcin in granule-membrane fusion and degranulation.

SOURCE: E. coli

PURITY: 95%

BUFFER: 10 mM Tris, pH 8.0, 0.002% NaN3, 3mM NaCl, 2.5mM

FUSION PARTNER: His-Tag at N terminus

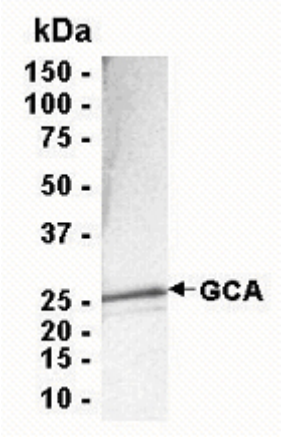
DOMAIN: aa. 1-217

MOLECULAR WEIGHT: 25 kDa (Calculated)

PROTEIN GI #: 6912388

PROTEIN ACCESSION #: NP_036330

TESTED APPLICATION: WB,E,MS



SDS PAGE: Analysis of GCA Recombinant Protein. 4-20% SDS gradient gel. Coomassie blue staining.

STORAGE: Store at -70ºC. As with any protein, exposing GCA recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

During shipment, small volumes of GCA recombinant protein will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap. **For research use only.**