

## Product datasheet for **AR09826PU-L**

### Grancalcin (1-217, His-tag) Human Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Grancalcin (1-217, His-tag) human recombinant protein, 0.25 mg  |
| Species:                              | Human   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | <u>MGSSHHHHHH SSGLVPRGSH</u> MAYPGYGGGF GNFSIQVPGM QMGQPVPETG PAILLDGYSG PAYSPTYSSA GDSVYTYFSA VAGQDGEVDA EELQRCLTQS GINGTYSPFS LETCRIMIAM LDRDHTGKMG FNAFKELWAA LNAWKENFMT VDQDGS GTVE HHEL RQAIGL MGYRLSPQTL TTVIKRYSKN GRIFFDDYVA CCVKLRALTD FFRKRDLHQ G SANFIYDDF LQGTMAI |
| Tag:                                  | His-tag   |
| Predicted MW:                         | 26.1 kDa  |
| Concentration:                        | lot specific  |
| Purity:                               | >95%  |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl  |
| Preparation:                          | Liquid purified protein   |
| Protein Description:                  | Recombinant human GCA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.   |
| Storage:                              | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.  |
| Stability:                            | Shelf life: one year from despatch.   |
| RefSeq:                               | <u>NP_001317194</u>   |
| Locus ID:                             | 25801   |
| Cytogenetics:                         | 2q24.2  |
| Synonyms:                             | GCL   |



[View online »](#)

**Summary:**

This gene encodes a calcium-binding protein that is abundant in neutrophils and macrophages. In the absence of divalent cation, this protein 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. Alternative splicing and use of alternative promoters results in multiple transcript variants. [provided by RefSeq, Aug 2016]

**Product images:**