

Product datasheet for **AR09826PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	Grancalcin (1-217, His-tag) human recombinant protein, 50 µg
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 State: Liquid purified protein 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



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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: