

#### OriGene Technologies, Inc.

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# Product datasheet for TP720123XL

### Grancalcin (GCA) (NM\_012198) Human Recombinant Protein

### **Product data:**

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human grancalcin, EF-hand calcium binding protein (GCA)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Ile217
Tag:	N-GST
Predicted MW:	50.2 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 $\mu$ m filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per $\mu$ g protein as determined by LAL test
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<u>NP 036330</u>
Locus ID:	25801
UniProt ID:	<u>P28676</u>
Cytogenetics:	2q24.2
Synonyms:	GCL

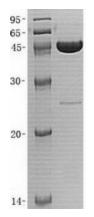


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Summary:This gene encodes a calcium-binding protein that is abundant in neutrophils and<br/>macrophages. In the absence of divalent cation, this protein localizes to the cytosolic fraction;<br/>with magnesium alone, it partitions with the granule fraction; and in the presence of<br/>magnesium and calcium, it associates with both the granule and membrane fractions.<br/>Alternative splicing and use of alternative promoters results in multiple transcript variants.<br/>[provided by RefSeq, Aug 2016]

## **Product images:**



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