

## Product datasheet for **TP302677L**

### 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), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC202677 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAYPGYGGGFGNFSIQVPGMQMGQPVPETGPAILLDGYS GPAYS DTYSSAGDSVYTYFSAVAGQDGEVDA  
EELQRCLTQSGINGTYS PFSLET CRIMIAMLDRDHTGKMGFNAFKELWAALNAWKENFMTVDQDGS GTVE  
HHEL RQAIGLMGYRLSPQTLTTIVKRYSKNGRIFDDYVACCVKLRALTDFFRKRDLQ QGSANFIYDDF  
LQGTMAI

**TR**TRPLE**Q**KLISEEDLAANDILDY**K**DDDD**KV**

**Tag:** C-Myc/DDK

**Predicted MW:** 23.8 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_036330](#)

**Locus ID:** 25801

**UniProt ID:** [P28676](#)



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RefSeq Size: 3241

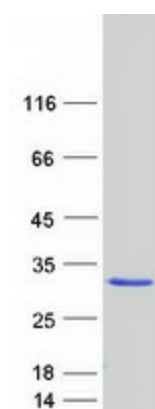
Cytogenetics: 2q24.2

RefSeq ORF: 651

Synonyms: GCL

**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:



Coomassie blue staining of purified GCA protein (Cat# [TP302677]). The protein was produced from HEK293T cells transfected with GCA cDNA clone (Cat# [RC202677]) using MegaTran 2.0 (Cat# [TT210002]).