

## Product datasheet for TP302677

### 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), 20 µg  |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC202677 protein sequence<br><span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)<br><br>MAYPGYGGGFGNFSIQVPGMQMGQPVPETGPAILLDGYSGPAYSDTYSSAGDSVYTYFSAVAGQDGEVD<br>A<br>EELQRCLTQSGINGTYSPFSLETGRIMIAMLRDHTGKMGFNAFKELWAALNAWKENFMTVDQDGS GTV<br>E<br>HHEL RQAIGLMGYRLSPQTLTTIVKRYSKNGRIFDDYVACCVKLRALTDFFRKRDLQQGSANFIYDDF<br>LQGTMAI<br><br><span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span> |
| 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:                               | <a href="#">NP_036330</a>  |
| Locus ID:                             | 25801  |


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UniProt ID: [P28676](#)

RefSeq Size: 3241

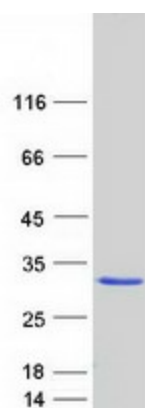
Cytogenetics: 2q24.2

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]).