

## Product datasheet for PH302677

### Grancalcin (GCA) (NM\_012198) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GCA MS Standard C13 and N15-labeled recombinant protein (NP_036330)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202677
Predicted MW:	24 kDa
Protein Sequence:	>RC202677 protein sequence Red=Cloning site Green=Tags(s)  MAYPGYGGGFGNFSIQVPGMQMGQVPVETGPAILLDGYSGPAYSPTYSSAGDSVYTYFSAVAGQDGEVDA EELQRCLTQSGINGTYSPFSLETTCRIMIAMLDRDHTGKMGFNAFKELWAALNAWKENFMTVDQDGSQTV HHELRLQAIGLMGYRLSPQTLTTIVKRYSKNGRIFDDYVACCVKLRALTDFFRKRDHLQQGSANFIYDDF LQGTMAI  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_036330</a>
RefSeq Size:	3241
RefSeq ORF:	651
Synonyms:	GCL
Locus ID:	25801
UniProt ID:	<a href="#">P28676</a>

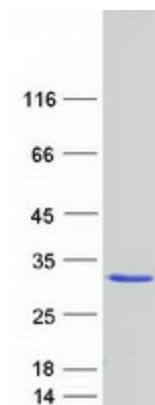


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Cytogenetics: 2q24.2

**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]).