

# Product datasheet for TP720189XL

# GGCT (NM\_024051) Human Recombinant Protein

### **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

| Product Type:                            | Recombinant Proteins   |
|--|--|
| Description:                             | Recombinant protein of human gamma-glutamyl cyclotransferase (GGCT)  |
| Species:                                 | Human  |
| Expression Host:                         | E. coli  |
| Expression cDNA Clone<br>or AA Sequence: | Met1-Leu188  |
| Tag:                                     | N-His  |
| Predicted MW:                            | 23.2 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 µg protein as determined by LAL test  |
| Storage:                                 | Store at -80°C.  |
| Stability:                               | Stable for at least 3 months from date of receipt under proper storage and handling conditions.  |
| RefSeq:                                  | <u>NP 076956</u>   |
| Locus ID:                                | 79017  |
| UniProt ID:                              | <u>O75223, A0A090N7V5</u>  |
| Cytogenetics:                            | 7p14.3   |
| Synonyms:                                | C7orf24; CRF21; GCTG; GGC  |
| Summary:                                 | The protein encoded by this gene catalyzes the formation of 5-oxoproline from gamma-<br>glutamyl dipeptides, the penultimate step in glutathione catabolism, and may play a critical<br>role in glutathione homeostasis. The encoded protein may also play a role in cell<br>proliferation, and the expression of this gene is a potential marker for cancer. Pseudogenes<br>of this gene are located on the long arm of chromosome 5 and the short arm of<br>chromosomes 2 and 20. Alternatively spliced transcript variants encoding multiple isoforms |

have been observed for this gene. [provided by RefSeq, Dec 2010]

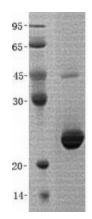


This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US GGCT (NM\_0240

Protein Pathways:

Glutathione metabolism

# **Product images:**



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US