

Recombinant Human GCA protein, GST-tagged

Cat. No. GCA-3762H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GCA protein(1-217 aa), fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-217 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.
AA Sequence	MAYPGYGGGFGNFSIQVPGMQMGQPVPETGPAILLDGYSGPAYSDTYSSAGDSVY TYFSAVAGQDGEVDAEELQRCLTQSGINGTYSPPFSLETGRIMIAMLDRDHTGKMGF NAFKELWAALNAWKENFMTVDQDGSQTVEHHELQRQAIGLMGYRLSPQTLTTIVKRY SKNGRIFDDYVACCVKLRALTDFFRKRDLQQGSANFIYDDFLQGTMAI
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION**Gene Name**

GCA grancalcin, EF-hand calcium binding protein [Homo sapiens]

Official Symbol

GCA

Synonyms

GCA; grancalcin, EF-hand calcium binding protein; grancalcin, EF hand calcium binding protein; grancalcin; GCL; grancalcin, penta-EF-hand protein; grancalcin, EF-hand calcium-binding protein;

Gene ID

25801

mRNA Refseq

NM_012198

Protein Refseq

NP_036330

MIM

607030

UniProt ID

P28676

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