

Recombinant Human GCA Protein

Catalog #	Source	Reactivity	Applications
CRP1604	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human GCA Protein is produced by our E.coli expression system and the target gene encoding Met1-Ile217 is expressed with a GST tag at the N-terminus.		
Form	Lyophilized from a 0.2 µM filtered solution of 20mM Tris-HCl, 500mM NaCl, pH 8.5.		
Gene Symbol	GCA		
Alternative Names	GCL; Grancalcin		
Entrez Gene	25801 (Human)		
SwissProt	P28676 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	<p>MSPILGYWKI KGLVQPTRLLEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID</p> <p>GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRISA YSKDFETLKV</p> <p>DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK</p> <p>KRIEAIQID KYLKSSKYIA WPLQGQWQATF GGGDHPPKSD LVPRGSMAYP GYGGGFGNFS</p> <p>IQVPGMQMGQ PVPETGPAIL LDGYSGPAYS DTYSAGDSV YTYFSAVAGQ DGEVDAEELQ</p> <p>RCLTQSGING TYSFPLETC RIMIAMLDRD HTGKMGFNAF KELWAALNAW KENFMTVDQD</p> <p>GSGTVEHHEL RQAIGLMGYR LSPQTLTTIV KRYSKNGRIF FDDYVACCVK LRALDFFRK</p> <p>RDHLQQGSAN FIYDDFLQGT MAI</p>		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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