Supporting information

Normal GCAPs partly compensate for altered cGMP signaling in retinal dystrophies associated with mutations in GUCA1A

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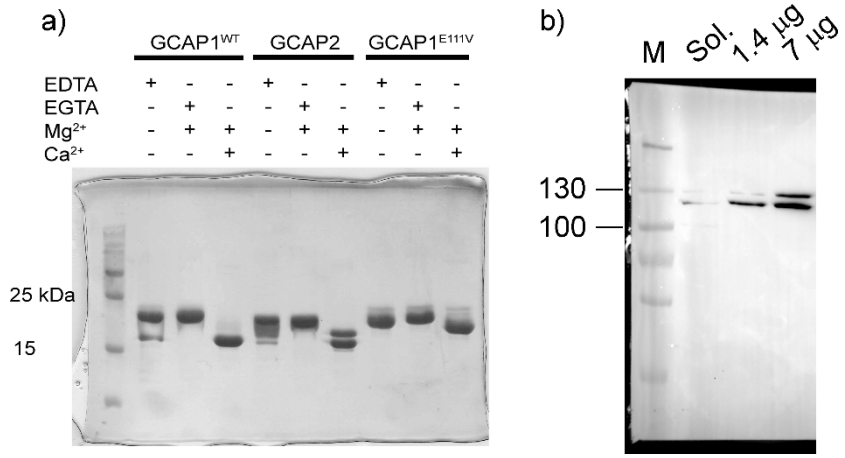

Figure S1. Purity of recombinant proteins and GC1 enzymatic assay. a) Full-length gel used for the preparation of Figure 1a. b) Western blot analysis of HEK293 soluble phase (Sol) and two different amounts (1.4 and 7 µg) of membrane proteins previously quantified by amido black. Anti-GC1#3 antibody (Ref. 51) was used (1:1000 dilution).

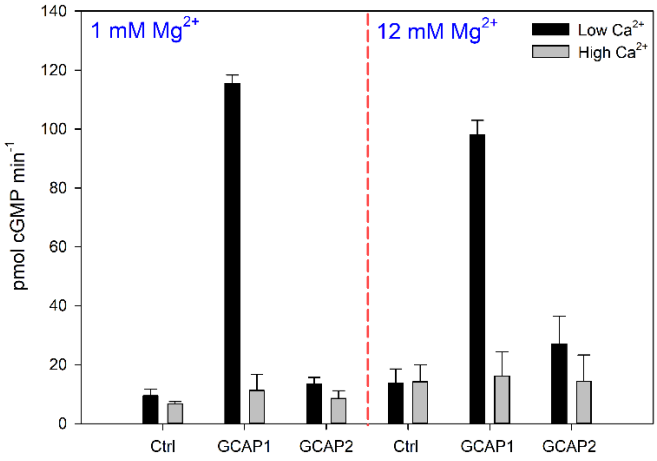

Figure S2: GC assay at different Mg^{2+} concentrations. Guanylate Cyclase activity induced by GCAPs was analyzed at 1 mM (left) and 12 mM Mg^{2+} (right), in the presence of low (< 19 nM) and high (~30 µM) Ca^{2+} concentration. Each measurement represents the average of three replicas.