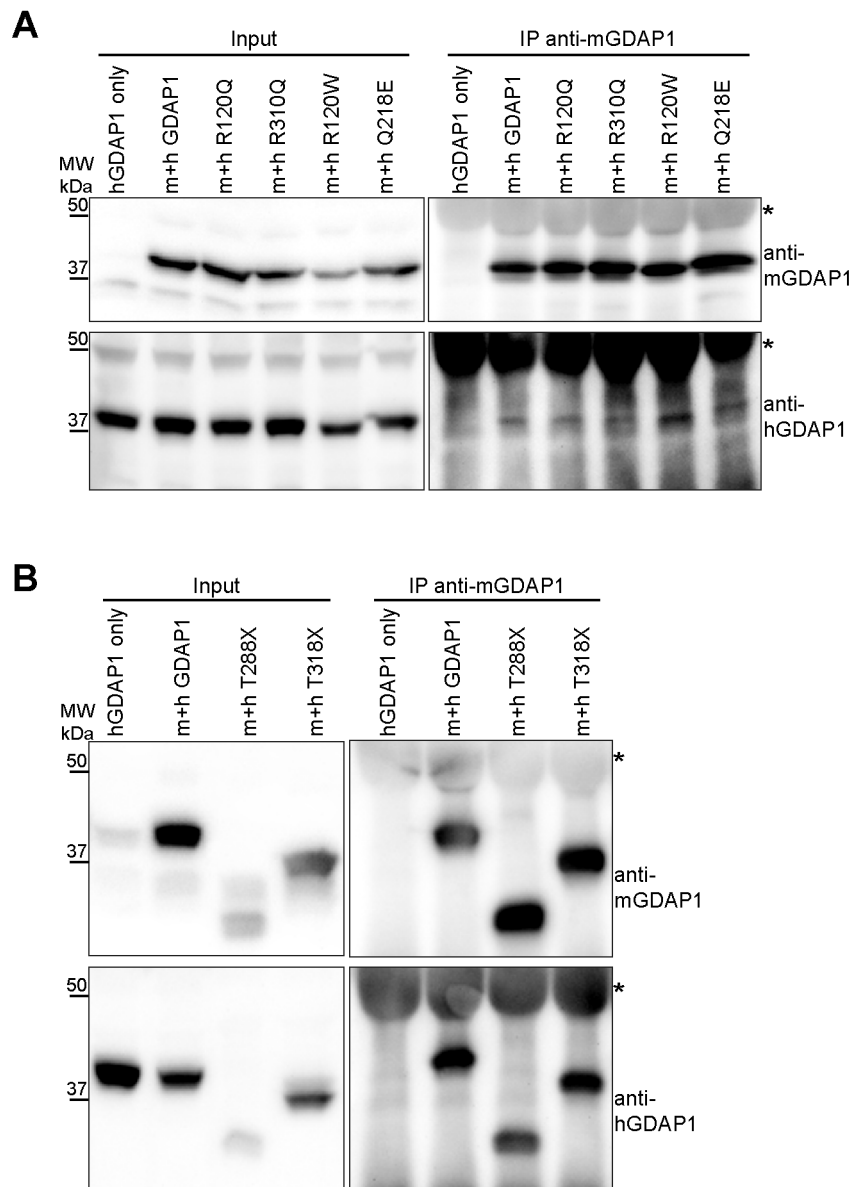


**Glutathione-conjugating and membrane-remodeling activity of GDAP1  
relies on amphipathic C-terminal domain**

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**Supplementary Figure S1: CMT-associated mutant forms of GDAP1 do not impair dimerization.** (A, B) Immunoprecipitations performed with the mouse-specific anti-GDAP1 antibody co-precipitate the corresponding human isoform from co-transfected HEK-293T cells. In the negative control, the human GDAP1 is not precipitated with the mouse-specific anti-GDAP1 antibody in the absence of murine GDAP1. (IP: immunoprecipitation, \*: IgG heavy chain).

**Supplementary Table S1: Assay conditions for spectrophotometric GST-activity assays**

<b>Substrate (Company)</b>	<b>Substrate mM</b>	<b>GSH mM</b>	<b>Buffer</b>	<b>Wavelength nm</b>	<b>Extinction coefficient mM<sup>-1</sup>cm<sup>-1</sup></b>
1-Chloro-2,4-dinitrobenzene (CDNB) (Sigma)	1	2	0.1 M KPo (pH 6.5)	340	9.6
<i>p</i> -Nitrophenylacetate ( <i>p</i> NPA) (Sigma)	1	5	KPo (pH 6.5)	400	8.3
<i>p</i> -Nitrobenylchloride ( <i>p</i> NBC) (Fluka)	0.25	5	KPo (pH 6.5)	310	1.9
Ethacrynic acid (EA) (Sigma)	0.2	0.25	KPo (pH 6.5)	270	5
7-Chloro-4-nitrobenzo-2-oxa- 1,3-diazol (Sigma)	0.2	0.5	NaAc (pH 5.0)	419	14.5
1,2-Epoxy-3-(4- nitrophenoxy)propane (EPNP) (Fisher Scientific)	2	5	KPo (pH 6.5)	360	0.5
Cumene hydroperoxide (Cayman)	n.d.	n.d.	50mM Tris (pH 7.6), 5mM EDTA	340	6.22
<i>t</i> -buthyl hydroperoxide (Fluka)	n.d.	n.d.	50mM Tris (pH 7.6), 5mM EDTA	340	6.22

*KPo*: potassium phosphate buffer; *NaAc*: sodium acetate buffer; *n.d.*: not declared in assay kit