

Orlandi et al., <http://www.jcb.org/cgi/content/full/jcb.201202123/DC1>

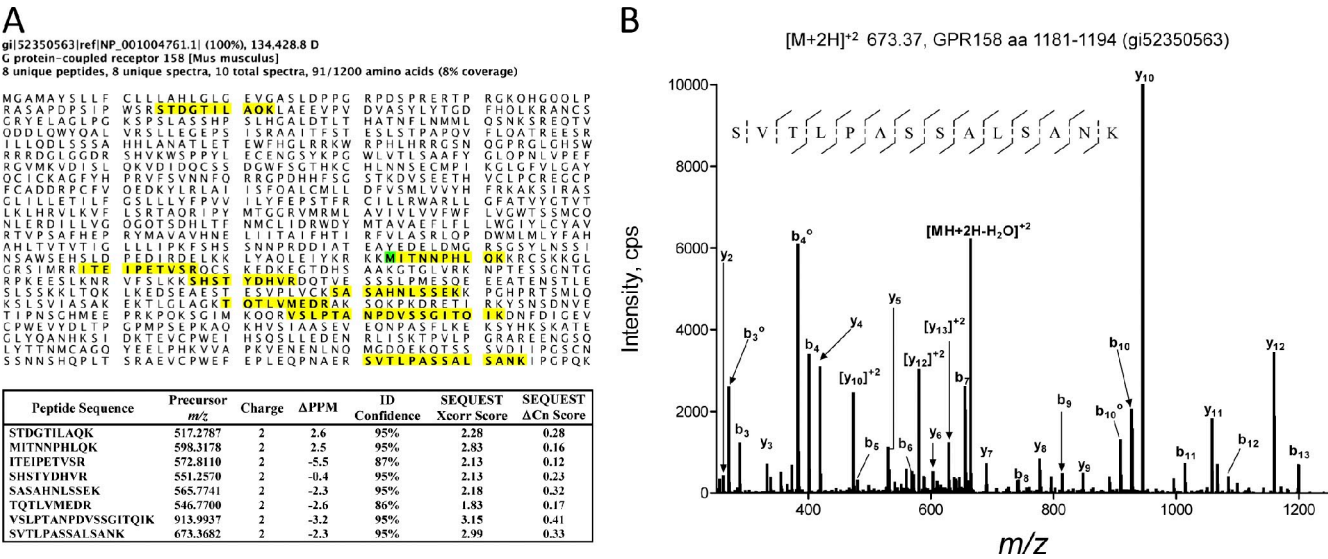


Figure S1. **Mass spectrometric identification of GPR158.** Related to Fig. 1. (A) Mapping identified peptides on GPR158 sequence and their mass spectrometric parameters. Yellow highlighting shows identified peptides. Green highlighting shows a modification found. The accession number was obtained from the NCBI Protein database. (B) De novo sequencing of the representative peptide from the GPR158 sequence identified in the experiment. m/z, mass per charge; PPM, parts per million.

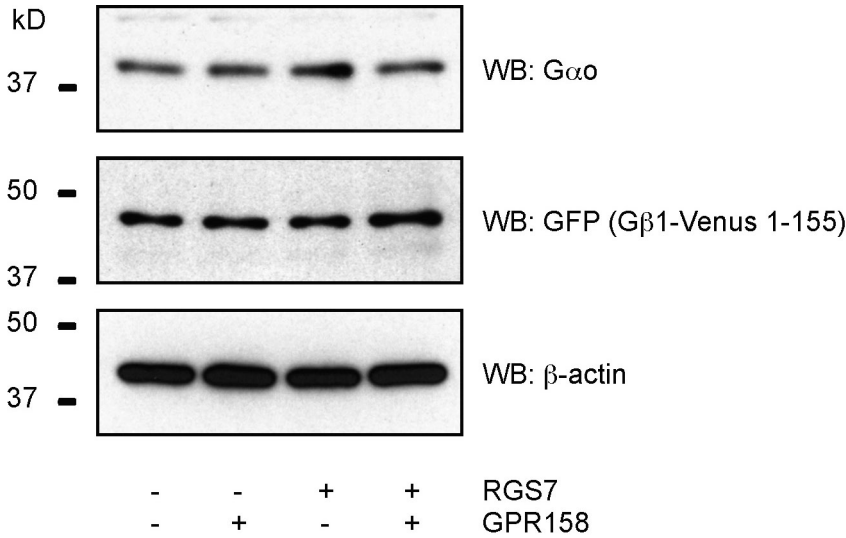


Figure S2. **Stable expression levels of constructs used in BRET assays.** Related to Fig. 3. The levels of G protein subunits Gαo and Gβ1 were measured by Western blotting (WB) using the indicated antibodies. Introduction of RGS7 and/or GPR158 did not significantly affect the expression of proteins. β-actin detection was used as a loading control.

Table S1. **Proteins identified in immunoprecipitation experiment using anti-RGS7 antibodies**

Protein name	Accession no.	MM	Unique peptides	Coverage	Confidence
		<i>kD</i>		%	%
Guanine nucleotide-binding protein, β -5 subunit	gi: 41281679	39	9	35	100
GPCR 158	gi: 52350563	134	8	7.6	100
Regulator of G protein signaling 7	gi: 190684703	55	5	15	100
Heat shock protein 9	gi: 162461907	73	4	5.6	100
Hemoglobin α 1 chain	gi: 145301578	15	3	26	100
Heat shock protein 8	gi: 31981690	71	3	5.7	100
Actin γ , cytoplasmic 1	gi: 6752954	42	2	7.5	100
Tubulin β 5	gi: 7106439	50	2	7.5	100
Non-POU domain-containing, octamer binding protein	gi: 12963531	55	2	4.7	99

Proteins identified in the control experiment using G β 5 knockout brains were excluded from the analysis. Only hits with the identification confidence of $\geq 99\%$ and more than one unique peptide are shown. Accession numbers are from the NCBI Protein database. Related to Fig. 1. gi, GenInfo Identifier; MM, molecular mass.