# Intramolecular Activation Mechanism of the Dictyostelium LRRK2 Homolog Roco Protein GbpC

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## Supplementary Information

| Primer | Sequence (5'-3') | Restriction sites | Amino acid coverage |
|---|---|---|---|
| Fw1 | GGGATCCAAAAAA*ATG*TCACAAAAACAAAAACCAAT | *Bam*HI | 1-524 |
| Rv1 | G*TTA*TCTAGAT**GGTACC**TTCTCTTTGAGATAAGGTTGAG | *Kpn*I, *Xba*I | |
| Fw2 | G**GGTACC**AAGTAGTTTCTTTACACTC | *Kpn*I | 522-868 |
| Rv2 | G**GATATC**TACCATTGAAATATCTG | *Eco*RV | |
| Fw3 | GGGATCCAAAA*ATG***GATATC**CCAATACCAAGATTTAATTTAAG | *Bam*HI, *Eco*RV | 867-1160 |
| Rv3 | G*TTA*TCTAGAA**CCTAGG**ATTTCGACAATACTTGTAAAAG | *Avr*II, *Xba*I | |
| Fw4 | G**CCTAGG**TCAAATTAAAAAGAAATTTGC | *Avr*II | 1159-1411 |
| Rv4 | GT**GGTACC**GCATTTTTACCCGCTGTATCTGAT | *Kpn*I | |
| Fw5 | GAGATCTAAAA*ATG*GC**GGTACC**ACCACATTGGAGAAT | *Bgl*II, *Kpn*I | 1408-1615 |
| Rv5 | G*TTA*TCTAGAAG**TCGCGA**GATTTAAAAATACTCTTGATAC | *Nru*I, *Xba*I | |
| Fw6 | GAGATCTAAAA*ATG*C**TCGCGA**CTGGTATGAGAGATCCATT | *Bgl*II, *Nru*I | 1613-2008 |
| Rv6 | G*TTA*TCTAGAA**CTCGAG**GTCAAACCACCACCATTCTC | *Xho*I, *Xba*I | |
| Fw7 | GAGATCTAAAA*ATG*AC**CTCGAG**TAATTTCTTTGGTAATGGTTC | *Bgl*II, *Xho*I | 2005-2334 |
| Rv7 | G*TTA*TCTAGAA**GTCGAC**GTTTGAGTACGACCTAAATAAG | *Sal*I, *Xba*I | |
| Fw8 | GAGATCTAAAA*ATG*AC**GTCGAC**TTCACCATTGAATGAAGG | *Bgl*II, *Sal*I | 2331-2631 |
| Rv8A | GTCTAGA*TTA*AGCATAAAGTTGTGATTC | *Xba*I | |
| Rv8B | GTCTAGAAGCATAAAGTTGTGATTCTCT | *Xba*I | |

**SI Table I: Cloning of *gbpC* cDNA in *Dictyostelium* expression vectors**.
*gbpC* cDNA was amplified with PCR from cDNA in eight parts of approximately equal size. Part 8 was amplified in two versions that differ in the presence of a Stop codon, to discriminate for expression of GbpC, and a GbpC-GFP fusion construct. Sequences in red represent restriction sites for direct cloning of separate parts in MB74-expression plasmids, sequences in bold represent restriction sites for fusion of parts, and Start/Stop codons are underlined.