

## Prokineticin receptors in GtoPdb v.2023.1

Rebecca Hills<sup>1</sup>, Adam J Pawson<sup>2</sup>, Philippe Rondard<sup>3</sup>, Oualid Sbai<sup>3</sup> and Qun-Yong Zhou<sup>4</sup>

1. University of Edinburgh, UK
2. The University of Edinburgh, UK
3. Université de Montpellier, France
4. University of California Irvine, USA

### Abstract

Prokineticin receptors, PKR<sub>1</sub> and PKR<sub>2</sub> (**provisional nomenclature as recommended by NC-IUPHAR [26]**) respond to the cysteine-rich 81-86 amino-acid peptides [prokineticin-1](#) (also known as endocrine gland-derived vascular endothelial growth factor, mambakine) and [prokineticin-2](#) (protein Bv8 homologue). An orthologue of PROK1 from black mamba (*Dendroaspis polylepis*) venom, mamba intestinal toxin 1 ([MIT1](#), [71]) is a potent, non-selective agonist at prokineticin receptors [46], while [Bv8](#), an orthologue of PROK2 from amphibians (*Bombina sp.*, [49]), is equipotent at recombinant PKR<sub>1</sub> and PKR<sub>2</sub> [53], and has high potency in macrophage chemotaxis assays, which are lost in PKR<sub>1</sub>-null mice.

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#### Receptors

##### [PKR<sub>1</sub>](#)

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