

# Prokineticin receptors (version 2020.4) in the IUPHAR/BPS Guide to Pharmacology Database

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## Abstract

Prokineticin receptors, PKR<sub>1</sub> and PKR<sub>2</sub> (**provisional nomenclature as recommended by NC-IUPHAR [23]**) 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, [65]) is a potent, non-selective agonist at prokineticin receptors [41], while Bv8, an orthologue of PROK2 from amphibians (*Bombina sp.*, [44]), is equipotent at recombinant PKR<sub>1</sub> and PKR<sub>2</sub> [48], and has high potency in macrophage chemotaxis assays, which are lost in PKR<sub>1</sub>-null mice.

## Contents

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### Prokineticin receptors

<http://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=56>

### Introduction to Prokineticin receptors

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### Receptors

PKR<sub>1</sub>

PKR<sub>2</sub>

<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=336>

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