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Prokineticin receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database

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Abstract

Prokineticin receptors, PKR_1 and PKR_2 (**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_1 and PKR_2 [48], and has high potency in macrophage chemotaxis assays, which are lost in PKR_1-null mice.

Contents

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Receptors

PKR_1

http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=335

PKR_2

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

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