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Author Lisa Johansson			
Title (English) Cloning, expression and pharmacological characterization of the Melanocortin receptor subtypes			
Title (Swedish)			
Abstract The melanocortin receptors (MCRs) are a subfamily of G-protein coupled receptors (GPCRs). GPCRs are important targets in the drug industry, since they play a role in the regulation of many physiological functions. The MCRs bind peptides and there exist five subtypes (MC1-5) in most vertebrates. In this work, different MCRs were cloned in expression vectors, expressed in mammalian cells and pharmacologically characterized. The results are important for clarifying the functional role and evolution of the MCRs and may also contribute to the search for better drugs targeting skin cancer, obesity and anorexia.			
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