

Molecular Biotechnology Programme

Uppsala University School of Engineering

UPTEC X 06 035	Date of issue 2006-08
Author Pia Damm	
Title (English)	
` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	II and its mimetic peptides
Title (Swedish)	
with neurotrophic effects, particularly import The actions of both factors are mainly mediat However, the knowledge of the IGF-II IGF-II thesis IGF-II was characterized by studying t IGF-IR and differentiate neurons. Four peptic two of those shown to bind to the IGF-IR, bu insulin receptor (IR). Thus, the peptides contactivation of IGF-IR, as well as binding to IG signaling has previously been observed in sex to this, the IGF-II mimetic peptides may serv Keywords IGF-II derived peptides, neuritogenesis, bind neurodegenerative disorders	R interaction is very limited. In this master's he ability of IGF-II derived peptides to bind to des were found to exhibit neuritogenic effect and t also to the IGF-II receptor (IGF-IIR) and the ain IGF-II sites responsible for binding to and GF-IIR and IR. Impairment in IGF-I and IGF-II weral neurodegenerative disorders and in relation e as a therapeutic rescue.
	nd Vladimir Berezin cular Pathology, University of Copenhagen
Scientific reviewer	
Dan Lindholm Institute of Neuroscience, Uppsala University	
Project name	Sponsors
Language English	Security
ISSN 1401-2138	Classification
Supplementary bibliographical information	Pages 65
O.	dical Center Husargatan 3 Uppsala (0)18 4710000 Fax +46 (0)18 555217