

# Serpina3n as a Potential Therapeutical Agent

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Serpina3n is a murine serine protease inhibitor exhibiting unique structural and physiological characteristics, playing significant roles ranging from complement cascade, apoptosis, wound healing to Alzheimer by inhibiting a wide range of proteases. Recent studies have reported its significant roles during various pathologies. Although its full range of potential applications are yet to reveal, its reported implications particularly in CNS insults are making it potential therapeutical approach. Here, the aim is to shed light on the potential therapeutical applications of Serpina3n during various pathologies and a brief comparison between murine Serpina3n and its human ortholog SERPINA3 ( $\alpha$ 1-antichymotrypsin) in respect of their biological roles and significance.