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5 **Role of stim1 in neurodegeneration**

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9

10 **1.7 Abstract**

11 STIM1 is an endoplasmic reticulum (ER) protein with a key role in Ca²⁺ mobilization.

12 Due to its ability to act as an ER-intraluminal Ca²⁺ sensor, it regulates store-operated

13 Ca²⁺ entry (SOCE), which is a Ca²⁺ influx pathway involved in a wide variety of

14 signalling pathways in eukaryotic cells. Despite its important role in Ca²⁺ transport,

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