

SLC20A2

This gene is found on the short arm of chromosome 8 (8p12-p11) on the minus (Crick) strand. It is 123,077 bases in length. The encoded protein has 652 amino acids and the predicted molecular weight of the protein is 70.392 kiloDaltons.

A patient with [Parkinson's disease](#) (PD) who was examined as a candidate for DBS was initially rejected due to extensive [brain calcifications](#). Upon second opinion and planning of trajectories she underwent successful surgery. Genetic analyses identified a mutation in SLC20A2, a gene known to cause brain calcifications, but no mutation known to cause PD was found ¹⁾.

¹⁾

Birkeland NA, Carlsen VN, Gulati S, Gustavsson EK, Aasly JO. Deep brain stimulation in a Parkinson's disease patient with calcifications and a mutation in the SLC20A2 gene. Parkinsonism Relat Disord. 2022 Jan 29;96:88-90. doi: 10.1016/j.parkreldis.2022.01.019. Epub ahead of print. PMID: 35248831.

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