

EGR2 and SREBF2 dimer bind SCD5 gene

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Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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Literature references

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Reactome database release: 88

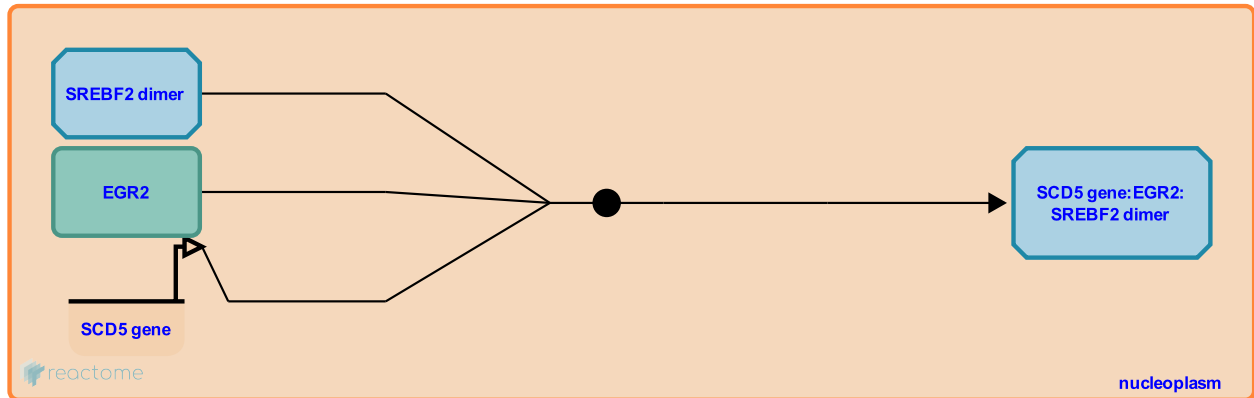
This document contains 1 reaction ([see Table of Contents](#))

EGR2 and SREBF2 dimer bind SCD5 gene ↗

Stable identifier: R-HSA-9621400

Type: binding

Compartments: nucleoplasm



SCD5 expression is upregulated during Schwann cell myelination in an EGR2- and SREBF2 dependent manner (LeBlanc et al, 2005; Jang et al, 2010). SCD5 encodes a stearyl-CoA desaturase involved in long chain fatty acid biosynthesis (Wang et al, 2005; Zhang et al, 2005).

Literature references

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Editions

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