

# SFTPB gene produces pro-SFTPB protein

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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

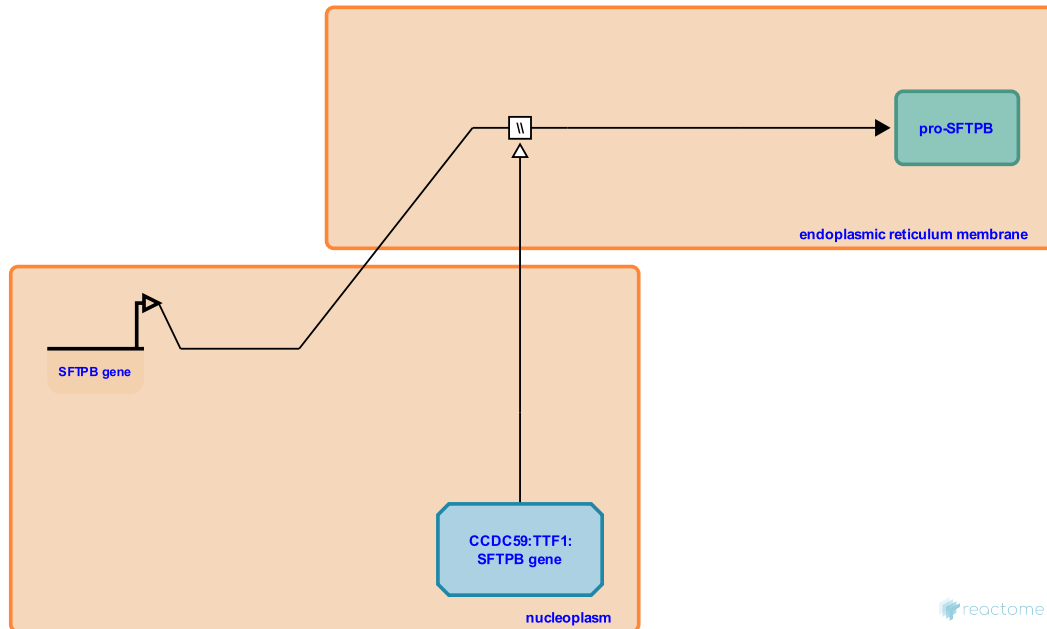
This document contains 1 reaction ([see Table of Contents](#))

## SFTPBP gene produces pro-SFTPBP protein ↗

**Stable identifier:** R-HSA-5683840

**Type:** omitted

**Compartments:** nucleoplasm, endoplasmic reticulum membrane



The human gene SFTPBP produces surfactant protein B (SFTPBP) (Whitsett & Glasser 1998, Yang et al. 2006). The transcription complex transcription termination factor 1 and thyroid transcription factor 1-associated protein 26 (TTF1:CCDC59), enhances TTF1-transactivated SFTPBP promoter activity.

### Literature references

Guo, Y., Weissler, JC., Yang, YS., Yang, MC., Liu, CC. (2006). The TTF-1/TAP26 complex differentially modulates surfactant protein-B (SP-B) and -C (SP-C) promoters in lung cells. *Biochem. Biophys. Res. Commun.*, 344, 484-90. ↗

Glasser, SW., Whitsett, JA. (1998). Regulation of surfactant protein gene transcription. *Biochim. Biophys. Acta*, 1408, 303-11. ↗

### Editions

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