

MTMR2 binds SBF2

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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: 70

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

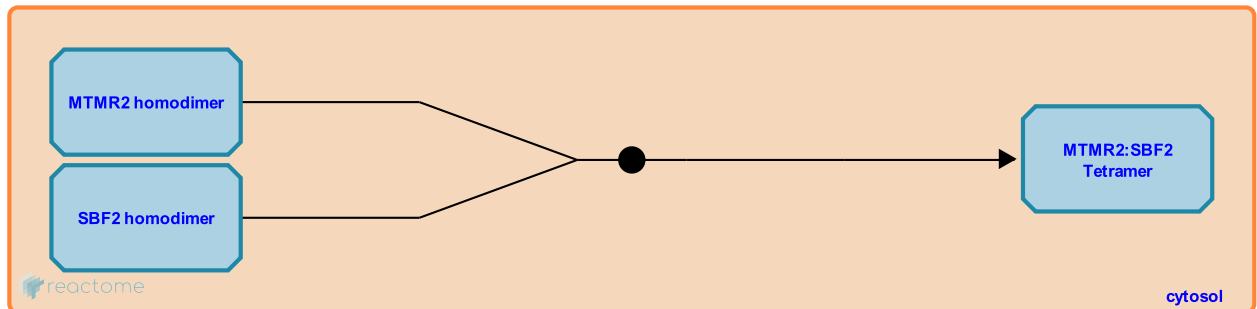
MTMR2 binds SBF2 [↗](#)

Stable identifier: R-HSA-6809793

Type: binding

Compartments: cytosol

Inferred from: [Mtmr2 binds Sbf2 \(Mus musculus\)](#)



MTMR2 dimer forms a complex with myotubularin protein SBF2 (MTMR13, an enzymatically inactive myotubularin family member) dimer. Binding to SBF2 sequesters MTMR2 from endosomal membranes to the cytosol (Berger et al. 2006).

Literature references

Berger, P., Berger, I., Schaffitzel, C., Tersar, K., Volkmer, B., Suter, U. (2006). Multi-level regulation of myotubularin-related protein-2 phosphatase activity by myotubularin-related protein-13/set-binding factor-2. *Hum. Mol. Genet.*, 15, 569-79. [↗](#)

Editions

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