

MTMR7 binds MTMR9

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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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- Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467. [↗](#)
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- Fabregat, A., Korninger, F., Viteri, G., Sidiropoulos, K., Marin-Garcia, P., Ping, P. et al. (2018). Reactome graph database: Efficient access to complex pathway data. *PLoS computational biology*, 14, e1005968. [↗](#)

Reactome database release: 88

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

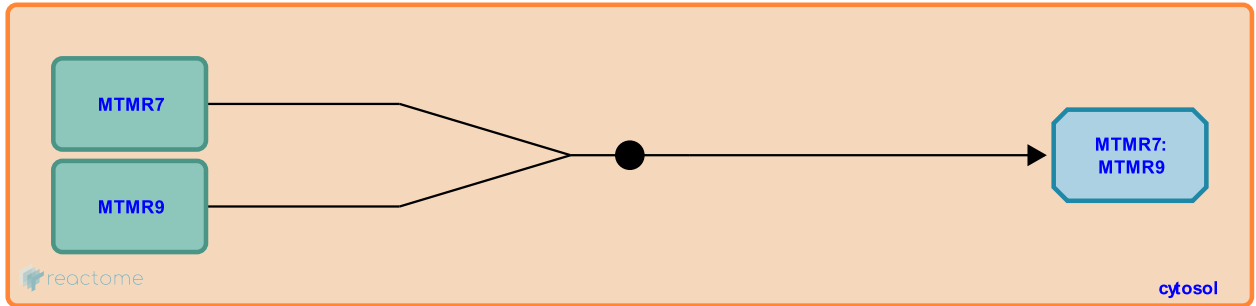
MTMR7 binds MTMR9 [↗](#)

Stable identifier: R-HSA-6809238

Type: binding

Compartments: cytosol

Inferred from: [Mtmr7 binds Mtmr9 \(Mus musculus\)](#)



MTMR7 binds to MTMR9, an enzymatically inactive myotubularin family member, which results in increased enzymatic activity of MTMR7. Almost all MTMR7 in the cell is present in the complex with MTMR9 (Mochizuki and Majerus 2003).

Literature references

Majerus, PW., Mochizuki, Y. (2003). Characterization of myotubularin-related protein 7 and its binding partner, myotubularin-related protein 9. *Proc Natl Acad Sci U S A*, 100, 9768-73. [↗](#)

Editions

| | | |
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