# Phosphorylation and release of IRF7

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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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Fabregat, A., Jupe, S., Matthews, L., Sidiropoulos, K., Gillespie, M., Garapati, P. et al. (2018). The Reactome Pathway Knowledgebase. *Nucleic Acids Res, 46*, D649-D655. ↗

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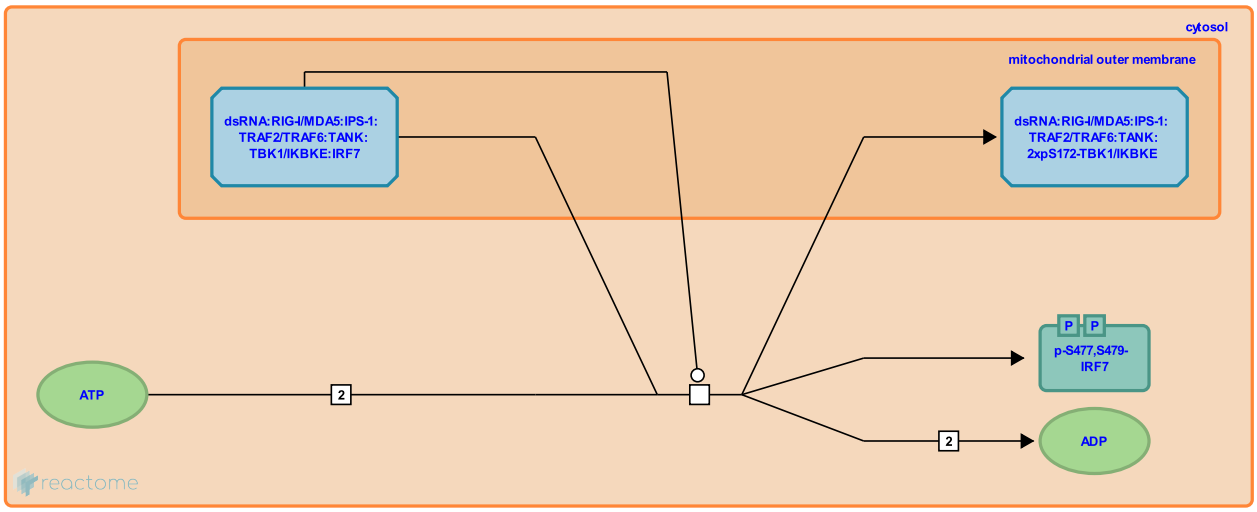
## Phosphorylation and release of IRF7

**Stable identifier:** R-HSA-933525

**Type:** transition

**Compartments:** cytosol, mitochondrial outer membrane




IRF7 is activated through phosphorylation of residues Ser477 and Ser479 by TBK1/IKKi kinase complex.

## Literature references


Hiscott, J., Paz, S., Lin, R., Romieu-Mourez, R., Goubau, D., Nakhaei, P. et al. (2006). Induction of IRF-3 and IRF-7 phosphorylation following activation of the RIG-I pathway. *Cell Mol Biol (Noisy-le-grand), 52*, 17-28.


## Editions

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