RAS guanyl nucleotide exchange by SOS1 bound to GRB2, SCH1-2 and MET

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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


Reactome database release: 83

This document contains 1 reaction (see Table of Contents)

https://reactome.org
RAS guanyl nucleotide exchange by SOS1 bound to GRB2, SCH1-2 and MET

**Stable identifier:** R-HSA-8851899

**Type:** transition

**Compartments:** cytosol, plasma membrane

SOS1, recruited to activated MET receptor via interaction of GRB2 with phosphorylated SHC1-2, catalyzes guanyl nucleotide exchange on RAS from GDP to GTP, resulting in RAS activation (Pelicci et al. 1995).

**Literature references**


**Editions**

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