

SHC1-2 bound to MET recruits GRB2:SOS1

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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

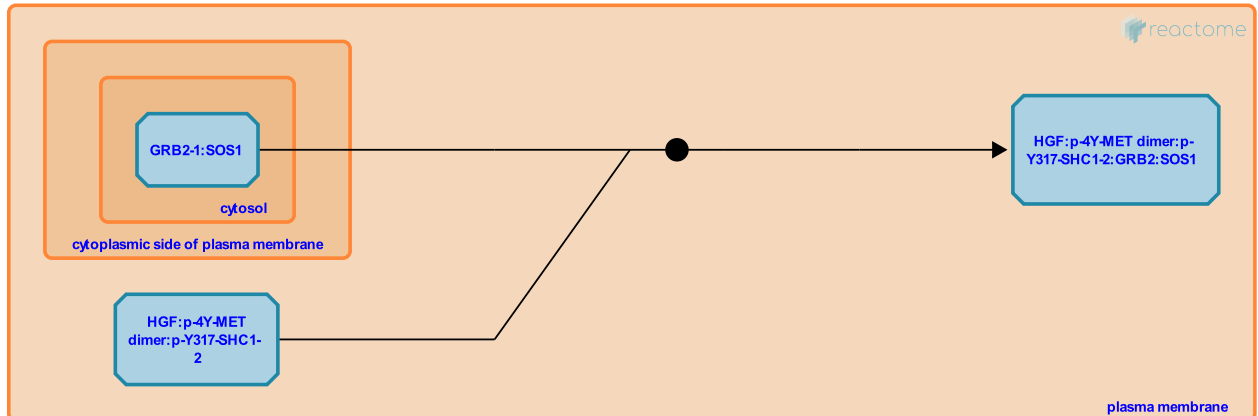
This document contains 1 reaction ([see Table of Contents](#))

SHC1-2 bound to MET recruits GRB2:SOS1 [↗](#)

Stable identifier: R-HSA-8851900

Type: binding

Compartments: cytosol, plasma membrane



SHC1 splicing isoform 2 (SHC1-2) phosphorylated by MET on tyrosine residue Y317 recruits the GRB2:SOS1 complex to the activated MET receptor (Pelicci et al. 1995).

Literature references

Bardelli, A., Zhen, Z., Waterfield, MD., Lanfrancone, L., Salcini, AE., Ponzetto, C. et al. (1995). The motogenic and mitogenic responses to HGF are amplified by the Shc adaptor protein. *Oncogene*, 10, 1631-8. [↗](#)

Editions

2016-06-14	Authored, Edited	Orlic-Milacic, M.
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