nsp13 binds DDX5

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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: 77

This document contains 1 reaction (see Table of Contents)
nsp13 binds DDX5

Stable identifier: R-HSA-9682631

Type: binding

Compartments: cytosol

Diseases: severe acute respiratory syndrome

nsp13, the helicase of the human SARS coronavirus 1 (SARS-CoV-1) binds to DDX5, a host protein implicated in transcription, pre-mRNA processing, RNA degradation, RNA export, ribosome assembly and translation. DDX5 knockdown inhibits viral replication (Chen et al. 2009).

Literature references


Editions

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