Formation of the CE:GMP intermediate complex

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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)
Formation of the CE:GMP intermediate complex

Stable identifier: R-HSA-77081

Type: transition

Compartments: nucleoplasm

A highly conserved lysine within the guanylyltransferase (GT) site of the mRNA capping enzyme attacks the alpha-phosphate of GTP. An enzyme-GMP covalent intermediate is formed.

Literature references


Editions

2003-10-15 Authored Buratowski, S.