

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

GST TopBP1 (aa 32-1522) His

RRID:Addgene_20375

Type: Plasmid

Proper Citation

RRID:Addgene_20375

Plasmid Information

URL: <http://www.addgene.org/20375>

Proper Citation: RRID:Addgene_20375

Insert Name: TopBP1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19139065](#)

Vector Backbone Description: Backbone Marker:Amersham; Backbone Size:4900; Vector Backbone:pGEX6P1; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: TopBP1 cDNA KIAA00259 was cloned by Weei-Chin Lin in EcoRI site of pGEX6P1. I added a His6 tag at the 3' end using the oligos TopBPF3 and TopBPR4 for PCR, then digested the PCR product with XhoI and replaced the XhoI fragment from pGEX6P1TopBP1 with the PCR product to generate pGEX6P1TopBP1His. NOTE: This plasmid was originally called full-length, and it is considered to have full length functionality in its original publication from the Sancar lab.

Plasmid Name: GST TopBP1 (aa 32-1522) His

Relevant Mutation: Starts at aa32

Record Creation Time: 20220422T222051+0000

Record Last Update: 20260725T074417+0000

Ratings and Alerts

No rating or validation information has been found for GST TopBP1 (aa 32-1522) His.

No alerts have been found for GST TopBP1 (aa 32-1522) His.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Jordan MR, et al. (2024) The Effect of Replication Protein A Inhibition and Post-Translational Modification on ATR Kinase Signaling. Research square.

Jordan MR, et al. (2024) The effect of replication protein A inhibition and post-translational modification on ATR kinase signaling. Scientific reports, 14(1), 19791.

Prabhakar AT, et al. (2021) CK2 Phosphorylation of Human Papillomavirus 16 E2 on Serine 23 Promotes Interaction with TopBP1 and Is Critical for E2 Interaction with Mitotic Chromatin and the Viral Life Cycle. mBio, 12(5), e0116321.

Liu Y, et al. (2017) TOPBP1Dpb11 plays a conserved role in homologous recombination DNA repair through the coordinated recruitment of 53BP1Rad9. The Journal of cell biology, 216(3), 623.