GST-Cip1

79925™

Description

Organism: *Homo sapiens*, human
Clone type: Clone
Shipping information: Rehydrate with TE

Storage Conditions

Product format: Freeze-dried

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Insert Information

Insert size (kb): 1.03
Type of DNA: cDNA
Insert source: B lymphocyte (EBV transformed)
Insert tissue: B lymphocyte (EBV-transformed)
Insert information:
DESCRIPTION OF INSERT COMPONENT:
Insert 5' end: XhoI
Insert 3' end: EcoRI
Cross references: DNA Seq. Acc.: L25610
Genome: Homo sapiens
Chromosome: 6
6 p21.2
Target gene: cyclin-dependent kinase inhibitor 1A (p21, Cip1)
Gene name: cyclin-dependent kinase inhibitor 1A (p21, Cip1)
Gene product: cyclin-dependent kinase inhibitor 1A (p21, Cip1)(melanoma differentiation associated protein 6, cyclin-dependent kinase inhibitor (p21), wild type p53 activated fragment 1 (Cdk-interacting protein)) [CIP1]
Gene symbol: CDKN1A; CIP1; WAF1*
Contains complete coding sequence: Yes

Vector Information

Construct size (kb): 6.0
Intact vector size: 5.000
Vector name: pGEX-2TKcs
Type of vector: plasmid
Host range: *Escherichia coli*
Vector end: XhoI; EcoRI
Cloning sites: NdeI; NcoI; XhoI; BamHI; EcoRI
Markers: ampR

Polylinker sites: NdeI; NcoI; XhoI; BamHI; EcoRI
Promoters: tac
Replicon: pMB1

Notes

Restriction digests of the clone give the following sizes (kb): BglI--2.6, 1.5, 1.3, 0.55; EcoRI/XhoI--5.0, 1.1; KpnI--6.0; PstI/XbaI--3.4, 1.4, 1.15; PvuII--4.4, 1.5, 0.3.
- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): BglI--0.15, 0.62; KpnI--0.94.
- GenBank/EMBL/DDBJ

Nucleotides 1-16 of the insert correspond to library linker (XhoI TaqI SfiI BglI). Nucleotides 17-1026 correspond to nt 1-1009 of the sequence record.
- personal communication

Contains the complete coding sequence (nt 79-573 of the sequence record).
- Cell 75: 805-816, 1993

Met-1 of the product is linked to GST through the linker sequence SHMPMARGHEGPEVSSLWSRSWARIRRGTEALRGGA.
- Cell 75: 805-816, 1993

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: GST-Cip1 (ATCC 79925)

References

References and other information relating to this material are available at www.atcc.org.

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