



Product Sheet

BK-4E (ATCC® 98045™)

eukaryotic cells

Please read this **FIRST**



Intended Use

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

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *eukaryotic cells* (ATCC® 98045™)

Shipping Information

Distributed: freeze-dried

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: BK-4E

Notes

Restriction digests of the clone give the following sizes (kb):
BamHI/XhoI--11.5, 1.4; BamHI--13.0; EcoRI--13.0; PstI--7.5, 3.8, 1.0;
XhoI--13.0.
- ATCC staff

Distributed In

Distribution host: Escherichia coli XL1-Blue

Insert Information

DNA: cDNA
DESCRIPTION OF INSERT COMPONENT:
Genome: eukaryotic cells
Gene symbol: EIF4E
Other gene symbols: EIF-4E
Gene name: eukaryotic translation initiation factor 4E
Contains complete coding sequence?: Y
Type of DNA: cDNA
Insert 5' end: Modification: XhoI linker
Insert 3' end: Modification: BamHI linker
Insert size (kb): 1.4
Cross references:
Insert lengths(kb): 1.399999976158142
Gene product: eukaryotic translation initiation factor 4E [EIF4E]
Target Gene: eukaryotic translation initiation factor 4E

Vector Information

Construct size (kb): 12.80000019073486
DESCRIPTION OF VECTOR COMPONENT:
Name of vector: BK shuttle
Intact vector size: 11.414
Type of vector: phagemid
Vector end: XhoI
Vector end: BamHI
Cloning sites: AatII XhoI EcoRV NotI BclI SpeI SrfI PacI Sall EcoRI BamHI
SacI
Polylinker sites: AatII XhoI EcoRV NotI BclI SpeI SrfI PacI Sall EcoRI BamHI
SacI
Construction: RDB-0
Host range: mammalian cells; Escherichia coli
Features (with orientation and position when available):
other: T/t-Ag, <-
replicon: BK papovavirus
marker(s): neoR, <-
promoter: SV40
enhancer: dioxin responsive cytochrome P-450
promoter for expression: MMTV, ->
promoter for in vitro transcription: SP6, ->
MCS: AatII.../SacI, ->
promoter for in vitro transcription: T7, <-
replicon: f1, <-
marker(s): ampR, ->
replicon: pMB1
Cross references:

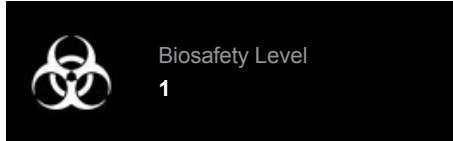


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Propagation

Growth Conditions

Temperature: 37.0°C

Medium

LB plus ampicillin (50 mcg/ml) plus kanamycin (50 mcg/ml)

References

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

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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