



GRK4A

95518™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* XL1-Blue

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

GRK4A

95518

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): 0.24299999999999999

Type of DNA: cDNA

Insert source: brain

Insert tissue: brain

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Insert 5' end: XhoI

Insert 3' end: EcoRI

Cross references: DNA Seq. Acc.: X75897

Nucleotides 1-243 of the insert correspond to nucleotides 1-243 of X75897.

Genome: Homo sapiens

Chromosome: 4

4 p16.3

Target gene: G protein-coupled receptor kinase 2 (Drosophila)-like

Gene name: G protein-coupled receptor kinase 2 (Drosophila)-like

Gene product: G protein-coupled receptor kinase 2 (Drosophila)-like(G protein-coupled receptor kinase 4) [GRK4]

Gene symbol: GPRK2L; GPRK4; GRK4

Contains complete coding sequence: No

Vector Information

Construct size (kb): 3.200000047683716

Intact vector size: 2.961

Vector name: pBluescript II SK+

Type of vector: phagemid

Host range: *Escherichia coli*

Vector end: XhoI; EcoRI

Cloning sites: BssHII; KpnI; ApaI; DralI; XhoI; HincII; Accl; Sall; ClaI; HindIII; EcoRI; PstI;

GRK4A

95518

Smal; BamHI; XbaI; NotI; EagI; SacI

Insert detection: lacZ'

Markers: ampR

Polylinker sites: BssHII; KpnI; ApaI; DraI; XhoI; HincII; AclI; Sall; ClaI; HindIII; EcoRI; PstI;
Smal; BamHI; XbaI; NotI; EagI; SacI

Promoters: T7; T3; lac

Replicon: pMB1; f1

Growth Conditions

Medium:

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): EcoRI/XhoI--3.0, 0.2; EcoRI--3.2; BamHI--3.2; HindIII--3.2; XhoI--3.2.

- ATCC staff

Insert encodes the N-terminal portion of the GRK4A isoform. It contains an in-frame 96 bp insertion following codon 17 of the isoform GRK4B sequence.

- Biochem. Biophys. Res. Commun. 199: 848-854, 1994

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: GRK4A (ATCC 95518)

References

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

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