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U.S. Patent Number:
4,962,035

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Designation: PGEM-3-110B-1 PLASMID IN ESCHERICHIA COLI
Organism: Homo sapiens, human

Refer to the Certificate of Analysis for batch-specific test results.

ATCC highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials leak when submerged in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vessel exploding or blowing off its cap with dangerous force creating flying debris.

1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below -130°C, preferably in liquid nitrogen vapor, until ready for use.

Restriction digests of the clone give the following sizes (kb): XbaI–4.0; SacI–4.0; XbaI/SacI–2.9, 1.1; PvuI–uncut; BglII–4.0.

pGEM-3.110B-1 has been deposited in the NIH repository (ATCC 61328) and to support a patent application (ATCC 67566).

This clone encodes a complete alpha chain and includes 5’ and 3’ flanking sequences with a poly(A) tail. The XbaI site is at the 5’ end.

The probe used to detect the RFLP was a 0.9 kb XbaI/SfaN1 fragment which includes the entire reading frame but excludes some of the 3’ sequences. The entire cDNA was also used.

The probe detects human EcoRI fragments of 4.4, 3.0, and 1.5 kb and mouse EcoRI fragments of 4.9, 3.9, and 1.7 kb.

Enzyme(s) not detecting polymorphism: AccI, AvaII, BamHI, BanI, BglII, Ddel, EcoRI, EcoRV, HincII, HindIII, HiriII, MspI, PstI, PvuII, SspI, TaqI, XbaI.

Complete Growth Medium

ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin
References and other information relating to this product are available online at [www.atcc.org](http://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.

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### Disclosure

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