pTB_CFTR_Ex9 155T vector

Catalogue number: 153794
Sub-type: pBluescript KS
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: pTB_CFTR_Ex9 155T vector

Alternate name: Cystic Fibrosis Transmembrane Conductance Regulator, Channel Conductance-Controlling ATPase

Class:
Conjugate:
Description: Concentration 2mg/ml
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

This minigene construct consists of a minimal Î±-globin promoter and SV40 enhancer which drive the transcription of the minigene. Downstream, an alpha-globin-fibronectin EDB minigene is present with a unique NdeI site where a fragment that contains exon 9 (183bp) along with part of the flanking introns was inserted. The exon 9 sequence also carries a C155T mutation that destroys a splicing enhancer within its sequence. This means that when transfected into cells the exon 9 is included approximately in 50% of the transcripts. In this manner, it is possible to see changes both with regards to upregulation of exon inclusion or its downregulation.

Target details

Target: CFTR Exon 9 minigene

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes: Concentration 2mg/ml

Handling

Format:
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions:

Related tools

Related tools:

References

References: Pagani et al. 2000. J Biol Chem. 275(28):21041-7. PMID: 10766763. ; Splicing factors induce cystic fibrosis transmembrane regulator exon 9 skipping through a nonevolutionary conserved intronic element.