

FT-BS8150

Native Gaussia Luciferase Vector

Gaussia luciferase, a novel reporter for gene expression, is the smallest and brightest known luciferase. Great for studying weak promoters or hard-to-transfect cells.

Product Description

Name : pUC19 GLuc
Catalog Number : expressing native secreted *Gaussia* luciferase, 25 ug/ml
 BS8150

Sequences

pUC19-G-Luc

Gaussia princeps Luciferase- coding sequence in green, start codon in **bold**
 Key restriction enzyme site are underlined

pUC19 sequences in blue, *lacZα* start codon in *italic*

*ATGACCATGATTACGCCAAGCTTGCATGCCTGCAGGTCGACTCTAGATTAGTGATGGTGATGGTGATGATCACCA
 CCGGCACCCTTTATTTTGTCCACTTGGCCTTGAATTTTGCTAGCAAAAAGTTGCACATCTTTGTGGCAGCCATTTCT
 TTGAGTAAATCAGAACATTGCACATTGGCAAGACCTTTGAGGCATCCAGTTGTGCAGTCTACACATAGGTCAACT
 TGTGCAATGAATTGTTCCATGGGTTCCAAATCCTTAAACCCAGGAATTTTCAGGAATGTCAACAATAGCCTCTCCT
 ATTCCTCCCTGTGCACTTTCTTTGTCTCCTTCATAGGTGTGGCATCTTCTGGGATAAACTTCTTCATTTTGGGT
 GTACACTTGATGTGTGACAGGCATATCAGACATCCCCTAGTGCAGCCAGCTTTCCTAGCATTTGGCTTCCATTTCT
 TTGAGTACCTCAAGTGTAATTTTTTTCCGGGCAATTTACCACGGTCAGCATCGAGATCCGTTGTAGCAAAGTTG
 CTAGCTACAGCTACAATGTTGAAATCTTCATTGTTTTTCAGTTGGTTTCATTTTGAATTCAGTGGCCGTCGTTTTA
 CAACGTCGTGACTGGGAAAACCCCTGGCGTTACCCAACCTTAATCGCCTTGCAGCACATCCCCCTTTCGCCAGCTGG
 CGTAATAGCGAAGAGGCCCGCACCCGATCGCCCTTCCCAACAGTTG*

Coding sequence:

575 *atg*aaaccaactgaaaacaatgaagatttcaacattgtagctgta
 M K P T E N N E D F N I V A V
 530 gctagcaactttgctacaacggatctcgatgctgaccgtggtaaa
 A S N F A T T D L D A D R G K
 485 ttgcccggaaaaaaattaccacttgaggactcaaagaa*atg*gaa
 L P G K K L P L E V L K E M E
 440 gccaatgctaggaaagctggctgcactaggggatgtctgatatgc
 A N A R K A G C T R G C L I C
 395 ctgtcacacatcaagtgtacacccaaa*atg*aagaagtttatccca
 L S H I K C T P K M K K F I P
 350 ggaagatgccacacctatgaaggagacaaagaaagtgcacagga
 G R C H T Y E G D K E S A Q G
 305 ggaataggagaggctattggtgacattcctgaaattcctggggtt
 G I G E A I V D I P E I P G F
 260 aaggatttggaaacc*atg*gaacaattcattgcacaagttgaccta
 K D L E P M E Q F I A Q V D L
 215 tgtgtagactgcacaactggatgcctcaaaggctttgccaatgtg
 C V D C T T G C L K G L A N V
 170 caatgttctgatttactcaagaaatggctgccacaaagatgtgca
 Q C S D L L K K W L P Q R C A
 125 acttttgcctagcaaaaattcaaggccaagtggacaaaataaagggt
 T F A S K I Q G Q V D K I K G
 80 gccgggtggatcatcaccatcaccatcactaa 48
 A G G D H H H H H H *

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Related / associated products and documents

See [BioSciences Innovations catalogue](#) and [e-search tool](#).

- *Gaussia* luciferase assay kit, [BS8190](#)
- Coelenterazine, native, [972333](#)

Ordering information

Gaussia luciferase is covered by US Patent # 6,232, 107 and IPO patents issued to Prolume Inc. Pittsburgh, PA. This plasmid is being sold for research purposes only.

[Catalog size quantities and prices may be found at www.interchim.com/](#)

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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