

Certificate of Analysis

NanoLuc® Kinase Fusion Vector:

Vector Name/Part No. Size
See product label. 20µg



Instructions for use of this product can be found in the NanoBRET™ Target Engagement Intracellular Kinase Assay Technical Manuals, #TM519 or #TM520, available online at: www.promega.com/protocols

Description: The NanoLuc® Kinase Fusion Vectors^(a,b,c) contain the coding region of the specified human kinase (see label) fused to NanoLuc® luciferase. The vectors are designed for use with the NanoBRET™ Target Engagement (TE) Intracellular Kinase Assays, where the plasmid can be transfected into various cell lines for target engagement analysis. The NanoBRET™ TE Intracellular Kinase Assays can be used to analyze the apparent affinity of test compounds by competitive displacement of a fluorescent NanoBRET™ tracer reversibly bound to a NanoLuc® fusion protein in cells. Introduction of competing test compounds to cells results in a dose-dependent decrease in the NanoBRET™ signal for estimating intracellular affinity against the target protein.

Storage Buffer: NanoLuc® Kinase Fusion Vectors are supplied in 10mM Tris-HCl (pH 7.4), 1mM EDTA.

Storage Conditions: See the product information label for storage temperature recommendations. Avoid multiple freeze-thaw cycles and exposure to frequent temperature changes. These fluctuations can greatly alter product stability.

Usage Note: Concentration gradients may form in frozen products and should be dispersed upon thawing. Mix well prior to use.

Quality Control Assays

Each NanoLuc® Kinase Fusion Vector meets the following specifications:

Concentration: $1 \pm 0.05 \mu\text{g}/\mu\text{l}$.

DNA Homogeneity: Predominantly supercoiled.

Endotoxin: <100EU/mg.

Plasmid Identity: Vector coding region sequence is identical to a reference sequence for this fusion.

Purity ($A_{260/280}$) Ratio: 1.80–2.00.

Signed by:

R. Wheeler, Quality Assurance

^(a)BY USE OF THIS PRODUCT, RESEARCHER AGREES TO BE BOUND BY THE TERMS OF THIS LIMITED USE LABEL LICENSE. Researcher shall have no right to modify or otherwise create variations of the nucleotide sequence of the luciferase gene except that researcher may (1) create fused gene sequences, and (2) insert and remove nucleic acid sequences in splicing research. Researcher must (1a) use Nano-Glo®-branded luminescent assay reagents (LARs) for all determinations of luminescence activity of this product and its derivatives; or (1b) contact Promega to obtain a license for use of this product and its derivatives with LARs not manufactured by Promega. For uses of Nano-Glo®-branded LARs intended for energy transfer (such as bioluminescence resonance energy transfer) to acceptors other than a genetically encoded autofluorescent protein, researcher must (2a) use NanoBRET™-branded energy acceptors for all determinations of energy transfer activity by this product and its derivatives; or (2b) contact Promega to obtain a license for use of the product and its derivatives for energy transfer assays to energy acceptors not manufactured by Promega. For any uses outside this label license, contact Promega for supply and licensing information. This product is for research use only; no other use of this product or derivatives is authorized. No transfer or commercial use is allowed. For a full copy of this label license, including the definition of "commercial use," go to: www.promega.com/LULL.

^(b)Licensed from Kazusa DNA Research Institute.

^(c)U.S. Pat. Nos. 8,557,970 and 8,669,103 and other patents and patents pending.

EPHA2-NanoLuc® Fusion Vector

REF NV1231

-30°C to -10°C

LOT 0000324503

2023-08-20

Dispensed Lot#: 0000266178

20µg

For Research Use

Country of Origin: CHN

Promega Corporation
2800 Woods Hollow Road
Madison, WI 53711-5399 USA



ADNV1231 00003245038

PEEL HERE



Promega

Promega Corporation

2800 Woods Hollow Road	
Madison, WI 53711-5399	USA
Telephone	608-274-4330
Toll Free	800-356-9526
Fax	608-277-2516
Internet	www.promega.com

PRODUCT USE LIMITATIONS, WARRANTY, DISCLAIMER

Promega manufactures products for a number of intended uses. Please refer to the product label for the intended use statements for specific products. Promega products contain chemicals which may be harmful if misused. Due care should be exercised with all Promega products to prevent direct human contact.

Each Promega product is shipped with documentation stating specifications and other technical information. Promega products are warranted to meet or exceed the stated specifications. Promega's sole obligation and the customer's sole remedy is limited to replacement of products free of charge in the event products fail to perform as warranted. Promega makes no other warranty of any kind whatsoever, and SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES OF ANY KIND OR NATURE WHATSOEVER, DIRECTLY OR INDIRECTLY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, AS TO THE SUITABILITY, PRODUCTIVITY, DURABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE, MERCHANTABILITY, CONDITION, OR ANY OTHER MATTER WITH RESPECT TO PROMEGA PRODUCTS. In no event shall Promega be liable for claims for any other damages, whether direct, incidental, foreseeable, consequential, or special (including but not limited to loss of use, revenue or profit), whether based upon warranty, contract, tort (including negligence) or strict liability arising in connection with the sale or the failure of Promega products to perform in accordance with the stated specifications.

© 2017 Promega Corporation. All Rights Reserved.

NanoLuc is a registered trademark of Promega Corporation. NanoBRET is a trademark of Promega Corporation.

Products may be covered by pending or issued patents or may have certain limitations. Please visit our Web site for more information.

All specifications are subject to change without prior notice.

Product claims are subject to change. Please contact Promega Technical Services or access the Promega online catalog for the most up-to-date information on Promega products.

Part# 9PINV100
Printed in USA. 9/17.