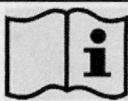


## Certificate of Analysis

### 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](http://www.promega.com/protocols)

**Description:** The NanoLuc® Kinase Fusion Vectors<sup>(a,b,c)</sup> 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 ± 0.05µg/µl.

**DNA Homogeneity:** Predominantly supercoiled.

**Endotoxin:** <100EU/mg.

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

**Purity (A<sub>260/280</sub>) Ratio:** 1.80–2.00.

Signed by:

R. Wheeler, Quality Assurance

<sup>(a)</sup>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](http://www.promega.com/LULL).

<sup>(b)</sup>Licensed from Kazusa DNA Research Institute.

<sup>(c)</sup>U.S. Pat. Nos. 8,557,970 and 8,669,103 and other patents and patents pending.

### EPHA2-NanoLuc® Fusion Vector

REF NV1231 LOT 0000324503  
-30°C -10°C 2023-08-20  
Dispensed Lot#: 0000266178  
20µg



For Research Use

Country of Origin: CHN

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Madison, WI 53711-5399 USA

▲  
PEEL  
HERE



ADNV1231 00003245038



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