

KeyTec® TR-FRET JAKs substrate - biotin



CAT.&Size: A1080016S (25 nmoles)
A1080016L (250 nmoles)

VKEYBIO-01-2025

Storage at: 2-8 °C

For Research Use Only

Not For Diagnostic Or Therapeutic Use

KeyTec® TR-FRET JAKs substrate - biotin

Technical Manual

1. Introduction

KeyTec® TR-FRET JAKs substrate - biotin is designed for measuring the Tyrosine kinase (TKs) activity with KeyTec® TR-FRET TKs kinase kit (Cat. # A1080001L). For substrate optimization data, please refer to «KeyTec® TR-FRET Kinase assay platform and assay development guide» (For more details, please visit our official website or contact our technical support team) .

2. Components

Component	A1080016S (25 nmoles)	A1080016L (250 nmoles)
KeyTec® TR-FRET JAKs substrate - biotin	1 vial	1 vial
Lyophilized	25 nmoles	250 nmoles

3. Storage

- Store substrate powder at 2-8 °C. The product is stable for one year from the date of receipt.
- After thawing, aliquot the stock into single-use volumes (recommended minimum: 10 µL) to avoid repeated freeze-thaw cycles. Store these aliquots at -60 °C and below.

4. Working Solution Preparation

Before reconstitution, centrifuge JAKs substrate - biotin to pellet the powder to the bottom (850×g, 1-2 minutes). Add the recommended volume of ultrapure water to the powder and mix gently as below.

Substrate Powder	Buffer	Volume	Stock Concentration
25 nmoles/vial	Ultra-pure water	500 µL/vial	50 µM
250 nmoles/vial	Ultra-pure water	500 µL/vial	500 µM