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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

ALK2, FLAG-Tag, Avi-Tag, Biotin-Labeled

Human, Recombinant, N-terminal FLAG-Tag,
C-terminal Avi-Tag, Biotin-labeled

Catalog #: 100176

Lot#: 180830-1 **Conc.:** 0.26 mg/ml

Formulated in: 40mM Tris-HCl pH8.0,
110mM NaCl, 2.2mM KCl, 8ng/μL Flag
peptide, 3mM DTT, and 20% glycerol.

Stability: At least 6 months at -80°C. *Avoid
freeze/thaw cycles. Storing diluted enzyme
is not recommended, if necessary, use
carrier protein (BSA 0.1 – 0.5%).*

References:

1. Kaplan, F., S., *et al.*, *Hum. Mutat.*
2009;**30**:379-390.
2. Yu, P.B., *et al.*, *Nature Med.*
2008;**14**:1363-1369.

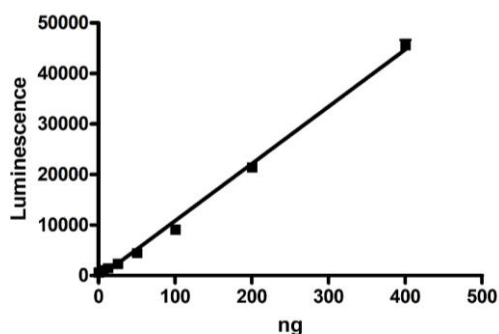
Description: Recombinant human ALK2
a.a. 147-509, (Genbank Accession No.
NM_1001105) with an N-terminal FLAG-
tag and C-terminal Avi-Tag™, expressed
in Sf9 cells using a baculovirus expression
system. MW= 45 kDa.

Assay conditions: Enzyme reactions
include 40 mM Tris pH 7.4, 20 mM MgCl₂,
0.1 mg/mL BSA, 10 μM ATP, 0.2 mg/mL
casein, 3 mM DTT, and various amounts
of ALK2—incubated 45 minutes at 30 °C.
Followed by addition of 25 μL of BPS
ADP-Glo reagent—incubated 45 minutes
at room temperature. Followed by addition
of 50 μl of BPS Kinase Detection
Reagent—incubated 45 minutes at room
temperature. Luminescence was
measured.

Application: Useful for the study of
enzyme kinetics, screening inhibitors, and
selectivity profiling.

Quality Assurance

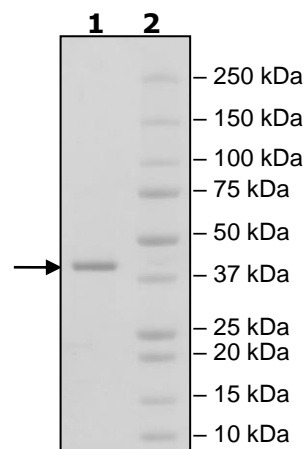
Specific Activity



4-20% SDS-PAGE Coomassie staining

Lane 1:
3 μg ALK2
Lane 2:
Protein Marker

MW: 45 kDa
Purity: 90%



OUR PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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