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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

IRE1, His-Avi-Tag

Human, Recombinant. N-terminal His-Avi-tag

Catalog #: 40709

Lot #: 151028

Conc.: 0.51 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, 20% glycerol, 300 mM Imidazole

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

Reference:

1. Urano, F., *et al.*, *Science*. 2000; **287(5453)**: 664-666.
2. Calfon, M., *et al.*, *Nature*. 2002; **415**: 92-96.

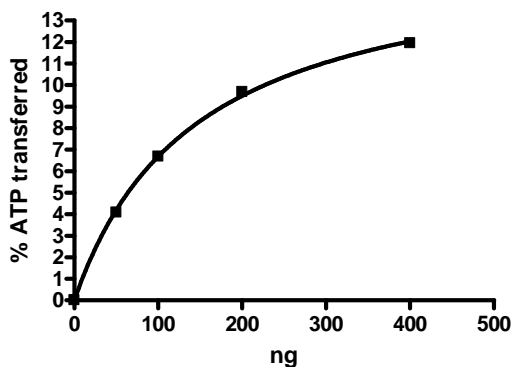
Description: Human serine/threonine-protein kinase/endoribonuclease IRE1 (IRE1), a.a. 469-977 with a N-terminal His-tag, TEV sequence, and AviTag™. MW = 62 kDa, expressed in baculovirus-infected Sf9 insect cell expression system.

Assay Conditions: Assay was done in a Kinase buffer using MBP (NEB, 0.1 mg/ml) as a substrate with 20 μM ATP at 30°C for 45 min. The amount of ATP transferred was calculated using Kinase-Glo reagent (Promega).

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

Quality Assurance

Specific Activity

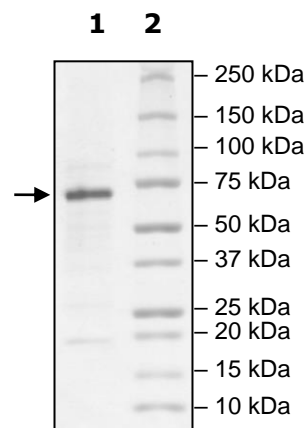


4-20% SDS-PAGE Coomassie staining

Lane 1:
2 μg IRE1-2

Lane 2:
Protein Marker

MW: 62 kDa
Purity: $\geq 90\%$



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