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Zuschläge

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Data Sheet

Jak1, GST-Tag

Human, recombinant, N-terminal GST-Tag

Catalog #: 40449

Lot#: 190919-3

Conc.: 0.20 mg/ml

Formulated in: 25 mM Tris-HCl pH 8.0, 427 mM NaCl, 1.3 mM KCl, , 0.02% Tween 20, 3 mM DTT, 14 mM glutathione and 50% glycerol.

Stability: At least 6 months at -80°C . Avoid freeze/thaw cycles.

References:

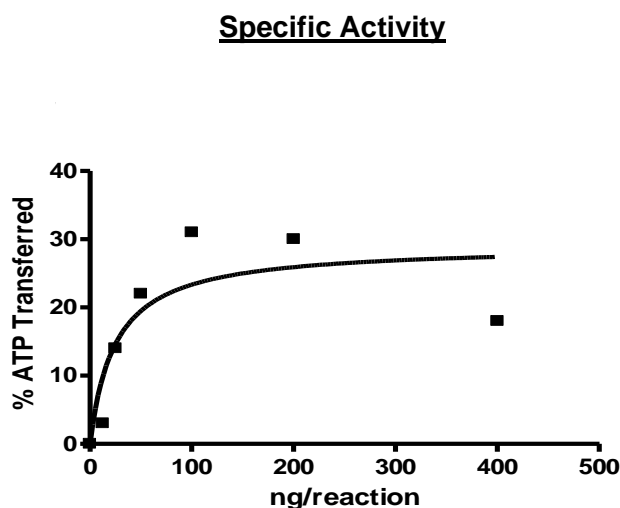
1. Rodig, S.J., *et al.* (1998). *Cell* **93** (3): 373–8.
2. Haan, C., *et al.* (2001). *J. Biol. Chem.* **276** (40): 37451–8.
3. Miyazaki, T., *et al.* (1994). *Science* **266** (5187): 1045–7.

Description: Human Jak1 also known as Janus kinase 1 and JTK3, GenBank Accession No. NM_002227, a.a. 866-1154(end) with an N-terminal GST-Tag, expressed in Sf9 cells via a baculovirus expression system, MW= 60 kDa.

Specific Activity: ≥ 80 pmole/min/ μg . Assay was done in Kinase buffer containing 2 mM DTT using IRS-1 derived peptide substrate (0.1 mg/ml) and 20 μM ATP. Reaction was done at 30°C for 45 min. 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

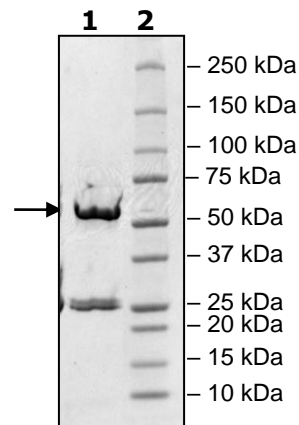


**4-20% SDS-PAGE
Coomassie staining**

Lane 1:
4 μg JAK1
Lane 2:
Protein Marker

MW: 60 kDa

Purity: $\geq 63\%$



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