

Data Sheet

Jak2

Human, recombinant, N-terminal HIS tag

Catalog #: 40450

Lot#: 70118

Conc.: 0.6 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 20% glycerol, 3 mM DTT, 200 mM imidazole.

Stability: >6 months at -80°C

References:

1. Tono, C., *et al.*, *Leukemia* **19** (10), 1843-1844 (2005).
2. Goerttler, P.S., *et al.*, *Blood* **106** (8), 2862-2864 (2005).

Description:

Human Jak2 (GenBank Accession No. NM_004972), (a.a. 808-end) with N-terminal His tag, MW=42.5 kDa, expressed in Baculovirus expression system.

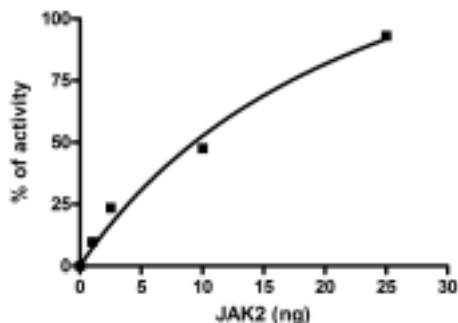
Specific Activity: 118 pmol/min/μg, Assay conditions: 50 mM HEPES (pH7.5), 10 mM MgCl₂, 1 mM EGTA, 200 μM ATP, 0.01% Brij-35, and 2 μM substrate (Tyr 4, Invitrogen) at room temperature for 1 hour. Developer solution was added to reaction and reaction was stopped after 1h of incubation at RT.

Application:

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

Quality Assurance

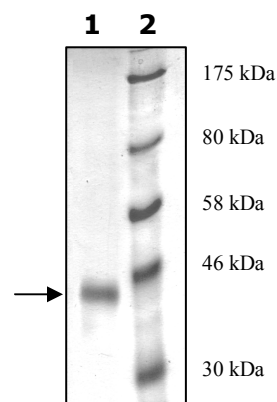
Jak2 Specific Activity



10% SDS-PAGE Coomassie staining

Lane 1:
3 μg Jak2
Lane 2:
Protein Marker
BioLabs (#P7708L)

MW: 42.5 kDa
Purity: >90%



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