

Tyk2(JTK1)
Human, recombinant, N-terminal His-tag

Catalog #: 40285
Lot#: 110111-1

Size: 10 µg
Description:

Human Tyk2 (Tyrosine Kinase 2, also known as JTK1), GenBank Accession No. NM_003331, a.a. 871-1187(end), with N-terminal His-tag, MW=38 kDa, expressed in a Baculovirus-infected Sf9 cell expression system.

Specific Activity: 18 pmol/min/µg.

Assay conditions: Add 50 µl reaction mix (Tyk2 diluted in 1x kinase buffer supplemented with 0.2 mM ATP) to wells coated with poly(Glu-Tyr, 4:1) substrate. Incubate for 1h at RT followed by addition of Europium-labeled anti-phospho-Tyr antibody and incubate for another 1h at room temperature. Time resolved fluorescence measured using development solution at $\lambda_{exc}=330\pm 40$ nm and $\lambda_{em}=620\pm 10$ nm.

Application: Useful for the study of selectivity profiling.

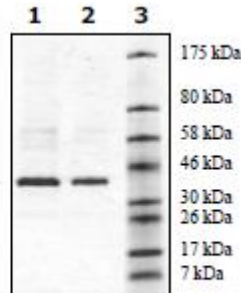
Formulated in:
KCl
10%

1. Firmbach-Kraft I, et al. (1990). Oncogene 5 (9): 1329-36. Acad.
2. Partanen J, et al. (1991) Proc. Natl. Sci. U.S.A. 87 (22): 8913-7.
3. Domanski P, et al. (1995). FEBS Lett. 374

4-20% SDS-PAGE
Coomassie staining

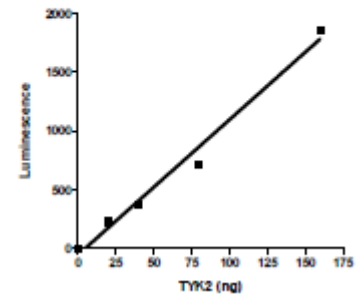
Lane 1 & 2:
4 & 2 µg Tyk2
Lane 3:
Protein Marker
BioLabs (#P7708L)

MW: 38 kDa
Purity: 95%



Quality Assurance

TYK2 Specific Activity



enzyme kinetics, screening inhibitors, and

45 mM Tris, pH 8, 125 mM NaCl, 2.4 mM 0.045% Tween-20, 100 mM imidazole and glycerol.

Stability: >6 months at -80°C

References:

1. (1990). Oncogene
2. Partanen J, et al. (1991) Proc. Natl. Sci. U.S.A. 87 (22): 8913-7.