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Data Sheet

JARID1B (KDM5B), Full Length, FLAG-tag

Human, recombinant, N-terminal FLAG-Avi-tag
Catalog #: 50128
Lot #: 170511-3 **Conc.:** 0.18 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, 20% glycerol, 80 µg/ml FLAG peptide, and 0.2 mM TCEP

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%).*

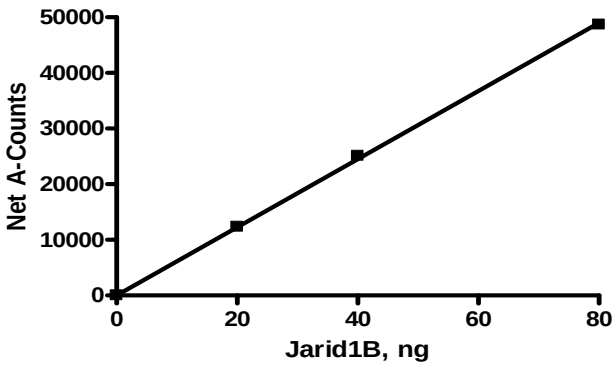
References:

1. Yamane K, *et al.* (2007). *Mol. Cell* **25 (6):** 801–12.
2. Barrett A, et al. (2007). *Int. J. Cancer* **121 (2):** 265–75.

Description: Human JARID1B, also known as KDM5B and PLU-1 (GenBank Accession No. NM_006618), a.a. 2-1544(end) with N-terminal FLAG-Avi-tag, MW=179 kDa, expressed in Sf9 cells via a baculovirus expression system.
Specific Activity: 0.11 pmol/min/µg
Assay conditions: 10 µl reaction mix containing 20 mM HEPES (pH 7.4), 50 mM NaCl, 500 µM α-ketoglutarate, 25 µM iron, 2 mM ascorbic acid, 0.01% Tween-20, 1 mM TCEP, 0.5 µM biotinylated peptide substrate, and JARID1B. Incubate 1 hour at RT with slow shaking. Add antibody against de-methylated product and anti-mouse acceptor beads. After 30 minutes, add Streptavidin-conjugated secondary antibody followed by Alpha Screening detection.
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:
2.3 µg JARID1B
Lane 2:
Protein Marker

Purity: 75%
MW: 179 kDa