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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  $-80^{\circ}\text{C}$ . Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

#### References:

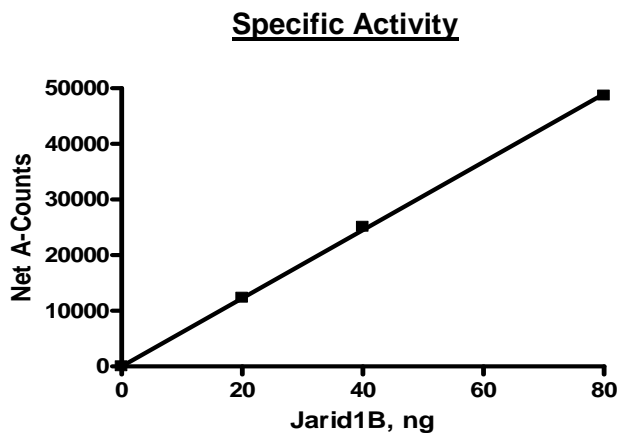
1. Yamane K, *et al.* (2007). *Mol. Cell* **25** (6): 801–12.
2. Barrett A, *et al.* (2007). *Int. J. Cancer* **121** (2): 265–75.

**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  $\alpha$ -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 demethylated 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

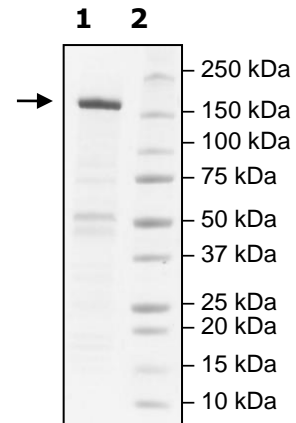


### 4-20% SDS-PAGE Coomassie staining

**Lane 1:**  
2.3 µg JARID1B

**Lane 2:**  
Protein Marker

**Purity:** 75%  
**MW:** 179 kDa



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