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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### JARID1A (KDM5A, RBBP2), FLAG-tag

Human recombinant with C-terminal FLAG-tag

**Catalog #:** 50110

**Lot #:** 140320-2      **Conc.:** 0.09 mg/ml

**Formulated in:** 40 mM Tris-HCl pH 8.0, 110 mM NaCl, 2.2 mM KCl, 80µg/mL FLAG peptide and 20% glycerol.

**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:**

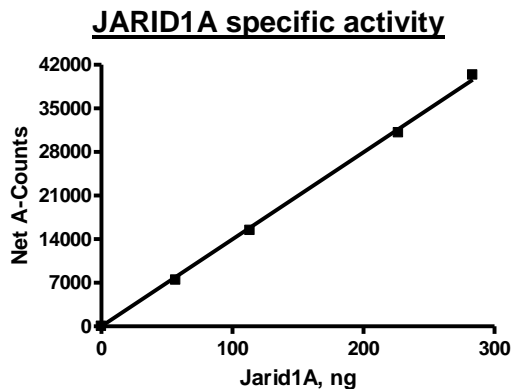
1. Roesch, A., *et al.* (2005). *Mod Pathol.* **18(9)**:1249-57.
2. Zhou X., *et al.* (2010). *Cancer Res.* **70(10)**:4214-21
3. van Zutven LJ, *et al.* (2006). *Genes Chromosomes Cancer* **45(5)**:437-46.

**Description:** Human JARID1A, also known as KDM5A and RBBP2, GenBank Accession No. NM\_001042603, a.a. 1-1090 with C-terminal FLAG-tag, MW= 125 kDa, expressed in Sf9 cells via a baculovirus expression system.

**Specific Activity:** 0.024 pmol/min/µg  
 Assay conditions: 10 µl reaction mix containing assay buffer with 20 mM Tris (pH 7.4), 50 mM NaCl, 500 µM α-ketoglutarate, 25 µM iron, 2 mM ascorbic acid, 0.01% Tween-20, 0.5 µM biotinylated peptide substrate, and JARID1A (80 – 400 ng) added to the wells. Add antibody against demethylated K4 peptide. Incubate for 30 min, then Streptavidin-conjugated secondary antibody followed by Alpha Screening detection.

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

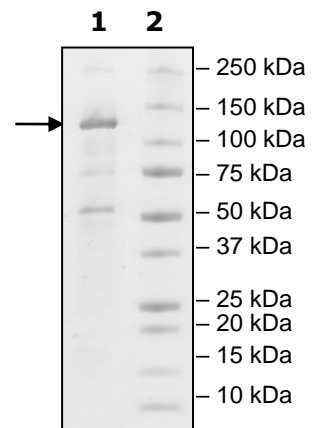
## Quality Assurance



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

**Lane 1:**  
 2µg JARID1A  
**Lane 2:**  
 Protein Marker

**MW:** 125 kDa  
**Purity:** ≥50%



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