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Zuschläge

- Mindermengenzuschlag
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Data Sheet

KDM4DL (JMJD2E)

Human, Recombinant, N-terminal GST-tag

Catalog #: 50118

Lot#: 130920-G1T **Conc.:** 0.77 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.02% Tween-20, 3 mM DTT, and 20% glycerol.

Stability: At least 6 months at -80°C .
 Avoid freeze/thaw cycles.

References:

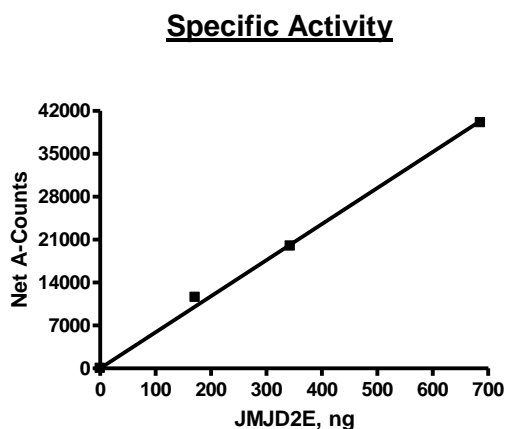
1. Fodor, B.D., *et al.* (2006). *Genes Dev.* **20(12)**: 1557–1562.
2. Beyer S., *et al.* (2008). *J. Biol. Chem.* **283(52)**:36542-52.

Description: Human KDM4DL, also known as JMJD2E (GenBank Accession No. NM_001161630), a.a. 2-337 with N-terminal GST-tag, MW=65 kDa, expressed in Sf9 cells using a Baculovirus expression system.

Specific Activity: 0.14 pmole/min/ μg
 Assay conditions: 10 μl reaction mix containing assay buffer with 20 mM HEPES (pH 7.4), 150 mM NaCl, 500 μM α -ketoglutarate, 50 μM iron, 2mM ascorbic acid, 0.01% Tween-20, 0.5 μM biotinylated peptide substrate, and JMJD2E (100 – 500 ng) added to the wells. Add antibody against demethylated K9 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.

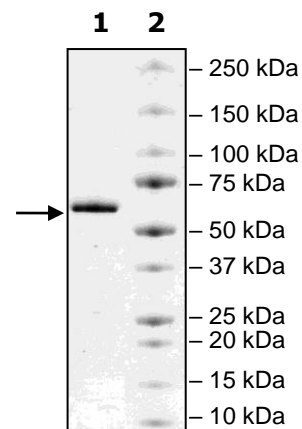
Quality Assurance



4-20% SDS-PAGE
Coomassie staining

Lane 1:
 2 μg JMJD2E
Lane 2:
 Protein Marker

MW: 65 kDa
Purity: $\geq 90\%$



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