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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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Data Sheet

JMJD3, FLAG-tag

Human, Recombinant, C-terminal FLAG-tag

Catalog #: 50115

Lot #: 161202 **Conc.:** 0.26 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl 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:

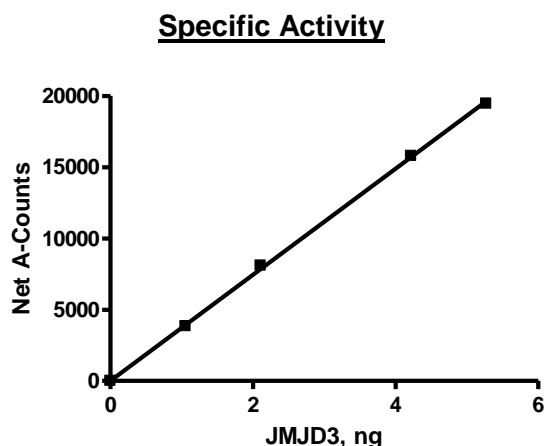
1. Y. Xiang, *et al.*, *Cell Research* (2007) **17**:850–8572.
2. S. Hong, *et al.* *Proc. Natl. Acad. Sci. USA* (2007) **104(47)**:18439-44.
3. Swigut T, Wysocka J. *Cell* (2007) **131(1)**: 29-3.

Description: Human JMJD3/KDM6B histone demethylase (a.a. 1043-end), Genbank Accession No. NM_001080424, with C-terminal DDDK FLAG-tag, MW=73 kDa, expressed in Sf9 cells via a baculovirus expression system.

Specific Activity: ≥ 1.1 pmol/min/ μg
 Assay conditions: 10 μl reaction mix containing assay buffer with 20 mM HEPES (pH 7.4), 50 mM NaCl, 1mM TCEP, 500 μM alpha-ketoglutarate, 25 μM iron, 2mM ascorbic acid, 0.01% Tween-20, 0.5 μM biotinylated peptide substrate, and JMJD3 (2 – 10ng) added to the wells. Add antibody against di-methylated K27 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.

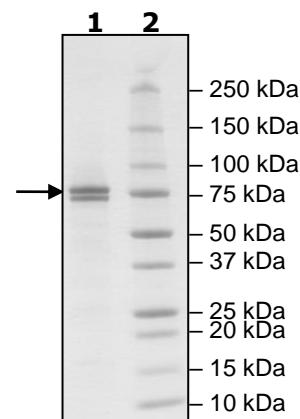
Quality Assurance



4-20% SDS-PAGE
Coomassie staining

Lane 1:
2 μg JMJD3
Lane 2:
Protein Marker

MW: 73 kDa
Purity: $\geq 86\%$



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