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## Data Sheet

### UTX (KDM6A), FLAG-tag

Human, Recombinant, N-terminal FLAG-tag

**Catalog #:** 50119

**Lot #:** 150806-3 **Conc.:** 0.23 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween20, 20% glycerol, 80 µg/ml flag peptide and 0.2mM 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:

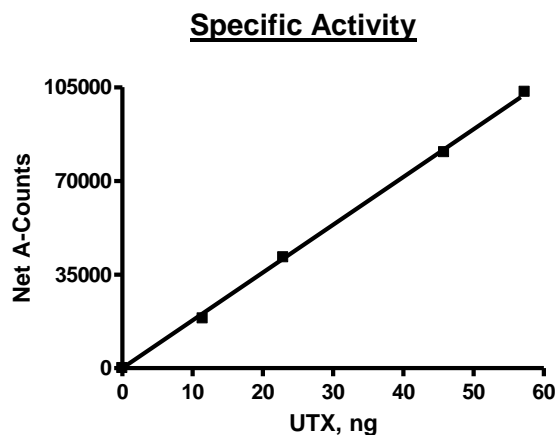
1. Greenfield A, et al. (1998). *Hum. Mol. Genet.* **7** (4): 737–42.
2. Agger K, et al. (2007). *Nature* **449** (7163): 731–4.

**Description:** Human UTX, also known as KDM6A (GenBank Accession No. NM\_021140) (amino-acids 1-1401) with N-terminal FLAG-tag, MW = 155 kDa, expressed in Sf9 cells via a baculovirus expression system.

**Specific Activity:** ≥0.096 pmol/min/µg  
**Assay Conditions:** 10 µl reaction mix containing assay buffer with 50 mM HEPES (pH 7.4), 1mM TCEP, 100 µM alpha-ketoglutarate, 25 µM iron, 0.1mM ascorbic acid, 0.02% Tween-20, 0.5 µM biotinylated peptide substrate, and UTX (10 – 50ng) added to the wells. Add antibody against dimethylated 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

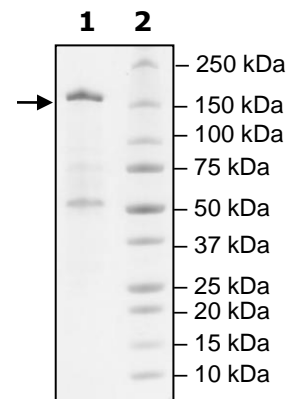


### 4-20% SDS-PAGE Coomassie staining

**Lane 1:**  
UTX  
(1.2ug loaded)

**Lane 2:**  
Protein Marker

**MW:** 155 kDa  
**Purity:** ≥58%



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