

Recombinant Human JMJD6 293 Cell Lysate

Cat. No. JMJD6-5101HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for jumonji domain containing 6 (JMJD6), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

JMJD6 jumonji domain containing 6 [Homo sapiens]

Official Symbol

JMJD6

Synonyms

JMJD6; jumonji domain containing 6; phosphatidylserine receptor , PTDSR; bifunctional arginine demethylase and lysyl-hydroxylase JMJD6; KIAA0585; PTDSR1; lysyl-hydroxylase JMJD6; phosphatidylserine receptor; jmjC domain-containing protein 6; histone arginine demethylase JMJD6; peptide-lysine 5-dioxygenase JMJD6; jumonji domain-containing protein 6; PSR; PTDSR;

Gene ID

23210

mRNA Refseq

NM_001081461

Protein Refseq

NP_001074930

MIM

604914

UniProt ID

Q6NYC1

**Chromosome
Location**

17q25

Function

RNA binding; histone demethylase activity (H3-R2 specific); histone demethylase activity (H4-R3 specific); identical protein binding; iron ion binding; metal ion binding;

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oxidoreductase activity; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen; peptidyl-lysine 5-dioxygenase activity; protein binding; receptor activity; single-stranded RNA binding;

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