

Recombinant Human JMJD1C Protein, His-SUMO/MYC-tagged

Cat. No. JMJD1C-1265H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human JMJD1C protein (2274-2498aa) was expressed in E. coli with N-terminal His-SUMO tag and C-terminal MYC tag.
Species	Human
Source	E.coli
ProteinLength	2274-2498 a.a.
Description	The protein encoded by this gene interacts with thyroid hormone receptors and contains a jumonji domain. It is a candidate histone demethylase and is thought to be a coactivator for key transcription factors. It plays a role in the DNA-damage response pathway by demethylating the mediator of DNA damage checkpoint 1 (MDC1) protein, and is required for the survival of acute myeloid leukemia. Mutations in this gene are associated with Rett syndrome and intellectual disability. Alternative splicing results in multiple transcript variants.
Form	Tris-based buffer, 50% glycerol.
Molecular Mass	45.5 kDa
AA Sequence	MPARYEDLLKSLPLPEYCNPEGKFNLASHLPGFFVRPDLGPRLC SAYGVVAAKD HDI GTTNLHIEVSDVV NILVYVGI AKGNGILSKAGILKKFEEEDLDDILRKRLKDSSEIPGALWHIYAGKDVDKIR EFLQKISKEQ

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GLEVLPEHDPIRDQSWYVNKKLRQRLLEEYGVRTCTLIQFLGDAIVLPAGALHQVQN
FHSCIQVTEDFVS
PEHLVESFHLTQELR

Purity Greater than 90% as determined by SDS-PAGE.

Storage The shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

GENE INFORMATION

Gene Name JMJD1C jumonji domain containing 1C [Homo sapiens (human)]

Official Symbol JMJD1C

Synonyms KDM3C; TRIP8; TRIP-8; JMJD1C

Gene ID 221037

mRNA Refseq NM_032776.2

Protein Refseq NP_116165.1

MIM 604503

UniProt ID Q15652

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