Recombinant human JMJD7 protein

Catalog Number: ATGP2420

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-316aa

UniProt No.
P0C870

NCBI Accession No.
NP_001108104

Alternative Names
JmjC domain-containing protein 7, jumonji domain containing 7, Jumonji domain-containing protein 7

PRODUCT SPECIFICATION

Molecular Weight
38.3 kDa (339aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
JMJD7, also known as JmjC domain-containing protein 7, belongs to the JMJD family. While several JMJD proteins have been identified as being involved in chromatin regulation, histone demethylation and development, the function of JMJD7 has not been identified. It was initially thought to be a novel splice form of the phospholipase PLA2G4B which is located downstream of JMJD7 as most tissues express a read-through transcript of the two genes. Recombinant human JMJD7 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

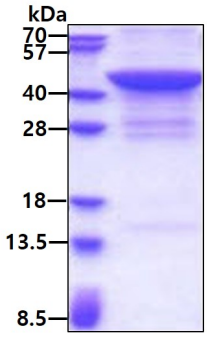
<MGSSHHHHHH SSGLVPRGSH MGS>MAEAALE AVRSELREFP AAARELCVPL AVPYLDKPPT PLHFYRDWVC PNRPCIIRNA LQHWPALQKW SLPYFRATVG STEVSVAVTP DGYADAVRGD RFMMPAERRL PLSFVLDVLE GRAQHPGVLY VQKQCSNLPS ELPQLLPDLE SHVPWASEAL GKMPDAVNFW LGEAAAVTSL HKDHYENLYC VVSGEKHFLF HPPSDRPFIP YELYTPATYQ LTEEGTFKVV DEEAMEKVPW IPLDPLAPDL ARYPSYSQAQ ALRCTVRAGE MLYLPALWFH HVQQSQGCIA VNFWYDMEYD LKYSYFQLLD SLTKASGLD

General References

Takeuchi T. et al. (2006) Dev. Dyn. 235:2449-2459.
Clissold PM. et al. (2001) Trends Biochem. Sci.. 26:7-9

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain