

# Product information



## JMJD7, 1-316aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2420

**Full name:** JmjC domain-containing protein 7

**NCBI Accession No.:** NP\_001108104

**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.

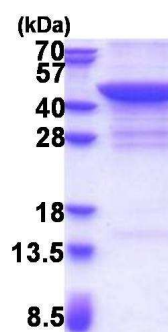
**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

0.1M NaCl

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

**Purity:** > 90% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMAEAALE AVRSELREFP AAARELCVPL AVPYLDKPPT PLHFYRDWVC PNRPCIIRNA LQHWPALQKW  
SLPYFRATVG STEVSAVTP DGYADAVRGD RFMMPAERRL PLSFVLDVLE GRAQHPGVLY VQKQCSNLPS ELPQLLPDLE SHVPWASEAL  
GKMPDAVNFV LGAAAVTSL HKDHYENLYC VVSGEKHFLF HPPSDRPFIP YELYTPATYQ LTEEGTFKVV DEEAMEKVPW IPLDPLAPDL  
ARYPSYSQAQ ALRCTVRAGE MLYLPALWFH HVQQSQGCCIA VNFWDMEYD 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

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



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