

JMJD7, 1-316aa, Human, His tag, E.coli

Cat.NO.: TP02709

3th Edition

Synonyms:JmjC domain-containing protein 7, jumonji domain containing 7, Jumonji domain-containing protein 7

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMAEAALEAVRSELREFPAAARELCVPLAVPYLDKPPTPLHFYRDWVCPNRP
CIIRNALQHWPALQKWSLPYFRATVVGSTEVSVAVTPDGYADAVRGDRFMMPAERRLPLSFVLDVLEGRAQHGPVL
YVQKQCSNLPSELPQLLPDLESHVPWASEALGKMPDAVNFVLGEEAAVTSLHKDHYENLYCVVSGEKHFLFHPPS
DRPFIPYELYTPATYQLTEEGTFKVVDEEAMEKVPWIPLDPLAPDLARYPSYSQAQALRCTVRAGEMLYLPALWFH
HVQQSQGCIAVNFWYDMEYDLKYSYFQLLDSLTKASGLD

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.