

**AR50522PU-S****Human MED7 (1-233, His-tag) - Purified****Alternate names:**

ARC34, Activator-recruited cofactor 34 kDa component, CRSP complex subunit 9, CRSP9, Cofactor required for Sp1 transcriptional activation subunit 9, Mediator complex subunit 7, Mediator of RNA polymerase II transcription subunit 7, RNA polymerase transcriptional regulation mediator subunit 7 homolog, Transcriptional coactivator CRSP33

**Quantity:**

50 µg

**Concentration:**

0.5 mg/ml (determined by Bradford assay)

**Background:**

Mediator complex subunit 7, also known as MED7, belongs to the Mediator complex subunit 7 family. The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. The protein encoded by this gene is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors.

**Uniprot ID:**[O43513](#)**NCBI:**[NP\\_001094286](#)**GenID:**[9443](#)**Species:**

Human

**Source:**

E. coli

**Format:****State:** Liquid purified protein**Purity:** >85% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol**Description:**

Recombinant human MED7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**AA Sequence:**

MGSSHHHHH SGLVPRGSH MGSMPGEPQV SALPPPPMQY IKEYTDENIQ EGLAPKPPPP  
IKDSYMMFGN QFQCDDLIIIR PLESQGIERL HPMQFDHKKE LRKLNMSILI NFLDLLDILI  
RSPGSIKREE KLEDLKLFLV HVHHLINERYR PHQARETLRV MMEVQKRQRL ETAERFQKHL  
ERVIEMIQNC LASLPDDLPH SEAGMRVKTE PMDADDSNNC TGQNEHQREN SGHRRDQIIE  
KDAALCVLID EMNERP

**Molecular weight:** 29.7 kDa (256aa), confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:**

Zhang X., et al. (2005) Mol. Cell. 19:89-100Jiang Y.W., et al. (1998) Proc. Natl. Acad. Sci. U.S.A. 95:8538-8543

Pictures:

