

AR50522PU-N

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:

0.25 mg

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](#)

GeneID:

[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:

MGSSHHHHHH SSGLVPRGSH MGSMEPQQV SALPPPPMQY IKEYTDENIQ EGLAPKPPPP
IKDSYMMFGN QFQCDDLIR PLESQGIERL HPMQFDHKKKE LRKLNMSILI NFDLLDILI
RSPGSIKREE KLEDLKLFFV HVHHLINERY 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. 19:89-100 Jiang Y.W., et al. (1998) Proc. Natl. Acad. Sci. U.S.A. 95:8538-8543

Pictures:

