

Recombinant human MED7 protein

Catalog Number: ATGP1698

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-233aa

UniProt No.

O43513

NCBI Accession No.

NP_001094286.1

Alternative Names

Mediator complex subunit 7, ARC34; CRSP33; CRSP9

PRODUCT SPECIFICATION

Molecular Weight

29.6 kDa (256aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 85% 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

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

Recombinant human MED7 protein

Catalog Number: ATGP1698

interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. Recombinant human MED7 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MGEPQQV SALPPPMQY IKEYTDENIQ EGLAPKPPPP IKDSYMMFGN
QFQCDDLIIR PLESQGIERL HPMQFDHKKE LRKLNMSILI NFLDLLDILI RSPGSIKREE KLEDLKLLFV HVHHLINYEYR
PHQARETLRV MMEVQKRQRL ETAERFQKHL ERVIEMIQNC LASLPDDLPH SEAGMRVKTE PMDADDSNNC TGQNEHQREN
SGHRRDQIIE KDAALCVLID EMNERP

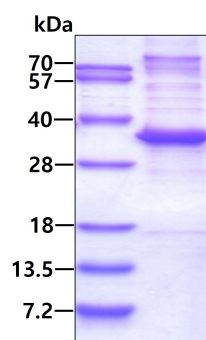
General References

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

DATA

SDS-PAGE



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