

Recombinant human RNF4 protein

Catalog Number: ATGP1761

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-190aa

UniProt No.

P78317

NCBI Accession No.

NP_001171938.1

Alternative Names

E3 ubiquitin ligase RNF4, RES4-26, SLX5, SNuRF

PRODUCT SPECIFICATION

Molecular Weight

23.7 kDa (213aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 30% glycerol, 1mM DTT

Purity

> 90% 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

E3 ubiquitin ligase RNF4, also known as RNF4, contains a RING finger motif and acts as a transcription regulator. This protein has been shown to interact with, and inhibit the activity of, TRPS1, a transcription suppressor of GATA-mediated transcription. Transcription repressor ZNF278/PATZ is found to interact with this protein, and thus reduce the enhancement of androgen receptor-dependent transcription mediated by this protein. Recombinant human RNF4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MSTRKRR GGAINSRQAQ KRTREATSTP EISLEAEPIE LVETAGDEIV DLTCESELPV
VVDLTHNDSV VIVDERRRRPR RNARRLPQDH ADSCVVSSDD ELSRDRDVY VTHTPRNAR DEGATGLRPS GTVSCPICMD
GYSEIVQNGR LIVSTECGHV FCSQCLRDSL KNANTCPTCR KKINHKRYHP IYI

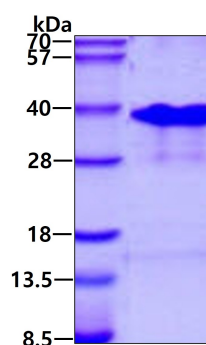
General References

Kaiser F.J., et al. (2003) J. Biol. Chem. 278:38780-38785

Guo B., et al. (2009) Mol. Cell. Biol. 29:3204-3218

DATA

SDS-PAGE



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