

# Recombinant human RNF181 protein

Catalog Number: ATGP1717

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-153aa

### UniProt No.

Q9P0P0

### NCBI Accession No.

NP\_057578

### Alternative Names

E3 ubiquitin-protein ligase RNF181, HSPC238

## PRODUCT SPECIFICATION

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### Molecular Weight

20.3 kDa (176aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

### Purity

> 95% 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

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### Description

E3 ubiquitin-protein ligase RNF181, also known as RNF181, accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Recombinant human RNF181 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMASYFDE HDCEPSDPEQ ETRTNMLLEL ARSLFNRMDF EDLGLVVDWD

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HHLPPAAKT VVENLPRTVI RGSQAELKCP VCLLEFEEEE TAIEMPCHHL FHSSCILPWL SKTNSCPLCR YELPTDDDTY  
EEHRRDKARK QQQQHRENL HGAMYT

## General References

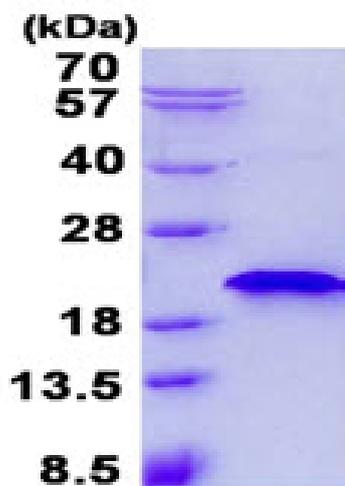
Brophy T.M., et al. (2008) *Biochem. Biophys. Res. Commun.* 369:1088-1093

Gauci S., et al. (2009) *Anal. Chem.* 81:4493-4501

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)