

# Recombinant human VPS22/SNF8 protein

Catalog Number: ATGP1594

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-258aa

**UniProt No.**

Q96H20

**NCBI Accession No.**

NP\_009172.2

**Alternative Names**

SNF8 subunit of ESCRT-II, Vacuolar-sorting protein SNF8, ELL-associated protein of 30 kDa, EAP30, ESCRT-II complex subunit VPS22, hVps22, VPS22, Dot3

## PRODUCT SPECIFICATION

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**Molecular Weight**

31.4 kDa (282aa) confirmed by MALDI-TOF

**Concentration**

0.25mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 2mM DTT, 200mM NaCl

**Purity**

&gt; 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

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**Description**

SNF 8, also known as EAP30 (ELL-associated protein of 30 kDa), is localizes to both the nucleus and the cytoplasm and is a member of the SNF8 family of vacuolar sorting proteins. This protein is subunit of the endosomal sorting complex required for transport II (ESCRT-II), which is required for multivesicular body (MVB) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex may also play a

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role in transcription regulation by participating in derepression of transcription by RNA polymerase II, possibly via its interaction with ELL. Recombinant human SNF8 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 MGSHM>HRRGV GAGAIAKKKL AEAKYKERGT VLAEDQLAQM SKQLDMFKTN  
LEEFASKHKQ EIRKNPEFRV QFQDMCATIG VDPLASGKGF WSEMLGVGDF YYELGVQIIE VCLALKHRNG GLITLEELHQ  
QVLKGRGKFA QDVSQDDLIR AIKKLKALGT GFGIIPVGGT YLIQSVPAEL NMDHTVVLQL AEKNGYVTVS EIKASLKWET  
ERARQVLEHL LKEGLAWLDL QAPGEAHYWL PALFTDLYSQ EITAEAREA LP

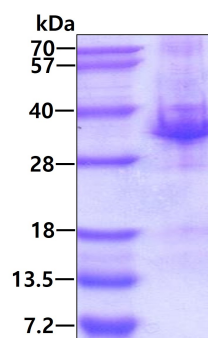
### General References

Maleroed L., et al. (2007) Traffic 8:1617-1629

Raiborg C., et al. (2008) Exp. Cell Res. 314:801-813

## DATA

### SDS-PAGE



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