

Recombinant human VPS22/SNF8 protein

Catalog Number: ATGP1594

PRODUCT INFORMATION

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

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

> 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

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

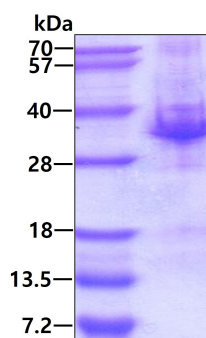
General References

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.