

SNF8, 1-258aa, Human, His tag, E.coli

Cat.NO.: TP03982

3th Edition

Synonyms: Vacuolar-sorting protein SNF8, Dot3, EAP30, VPS22

Description: SNF 8, also known as EAP30 (ELL-associated protein of 30 kDa), is localized to both the nucleus and the cytoplasm and is a member of the SNF8 family of vacuolar sorting proteins. This protein is a 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 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.

Form: Liquid. In 20 mM Tris-HCl buffer, pH8.0, 50% glycerol, 2mM DTT, 200mM NaCl

Molecular Weight: 31.4kDa (282aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMHRG V GAGAIKKKLA EAKYKERGT V LAEDQLAQMSKQLDMFKTNLEEF
ASKHKQEIRKNPEFRVQFQDMCATIGVDPLASGKGFWSEMLGVGDFYYELGVQIIEVCLALKHRNGGLITLLEELHQ
QVLKGRGKFAQDVSQDDLIRAIKKLKALGTGFGIIPVGGTYLIQSVPAELNMDHTVVLQLAEKNGYVTVSEIKASLKW
ETERARQVLEHLLKEGLAWLDLQAPGEAHYWLPALFTDLYSQEITAE EAREALP

Purity: > 95% by HPLC

Concentration: 0.25mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.