
Product Data Sheet

Product Name: SNF8 Human
 Cat. No.: GP24633
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SNF8 ESCRT-II complex subunit homolog (<i>S. cerevisiae</i>); ESCRT-II complex subunit VPS22; ELL-associated protein of 30 kDa; EAP30 subunit of ELL complex; vacuolar-sorting protein SNF8; EAP30; VPS22; Dot3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMHRRGV GAGAIKKKL AEAKYKERGT VLAEDQLAQM SKQLDMFKTN LEEFASKHKQ EIRKNPEFRV QFQDMCATIG VDPLASGKGF WSEMLGVGDF YYELGVQIIE VCLALKHRNG GLITLEELHQ QVLKGRGKFA QDVSQDDLIR AIKCLKALGT GFGIIPVGGT YLIQSVPAEL NMDHTVVLQL AEKNGYVTVS EIKASLKWET ERARQVLEHL LKEGLAWLDL QAPGEAHYWL PALFTDLYSQ EITAEAEAREA LP		
Formulation	The SNF8 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 2mM DTT and 50% glycerol.		

Introduction

SNF8 belongs to the SNF8 family of vacuolar sorting proteins and is restricted to both the nucleus and the cytoplasm. SNF8 is a subunit of the endosomal sorting complex essential for transport II (ESCRT-II), which is necessary for multivesicular body (MVB) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway facilitates transfer of transmembrane proteins into the lumen of the lysosome for degradation. Additionally, the ESCRT-II complex takes part in transcription regulation by contributing to derepression of transcription by RNA polymerase II, probably by its interface with ELL.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SNF8 Human Recombinant produced in E. coli is a single polypeptide chain containing 282 amino acids (1-258) and having a molecular mass of 31.4 kDa. SNF8 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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