

SNF8 Human

Description: 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.

Catalog #: PRPS-1142

Synonyms: SNF8 ESCRT-II complex subunit homolog (S. cerevisiae), ESCRT-II complex subunit VPS22, ELL-associated protein of 30 kDa, EAP30 subunit of ELL complex, vacuolar-sorting protein SNF8, EAP30, VPS22, Dot3.

For research use only.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSHMHRGV GAGAIKKKL
AEAKYKERT VLAEDQLAQM SKQLDMFKTN LEEFASKHKQ EIRKNPEFRV QFQDMCATIG
VDPLASGKGF WSEMLGVGDF YYELGVQIIE VCLALKHRNG GLITLLEELHQ QVLKGRGKFA
QDVSQDDLIR AIKKLKALGT GFGIIPVGGT YLIQSVPAEL NMDHTVVLQL AEKNGYVTVS
EIKASLKWET E

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The SNF8 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 2mM DTT and 50% glycerol.

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

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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