# Recombinant SNF8 protein (His tag)

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| **Catalog Number** | 547964 |
| **Synonyms** | ELL-associated protein of 30 kDa; ESCRT-II complex subunit VPS22; hVps22 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q96H20 |
| **Molecular Weight** | Predictes a molecular mass of 30.52 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band. |

## Product Information

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| **Sequence Region** | 1-258 |
| **Form** | Lyophilized powder |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4 |
| **Purity** | >85%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| **Endotoxin** | Not tested. |
| **Activity** | Not tested. |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -70℃ |
| **Protein Construction** | DNA encoding 1-258 aa (Q96H20) were fused with 6His tag. |

## Storage & Handling

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| **Reconstitution** | Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. |
| **Storage** | Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Shipping** | In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

## Description

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| **Description** | Recombinant Human Vacuolar-sorting protein SNF8 (ESCRT-II complex subunit VPS22), corresponding to amino acids 1-258, is a high-purity fragment designed for stability and solubility. This product supports research on endosomal sorting, multivesicular body formation, and autophagy mechanisms, offering an optimal tool for structural and biochemical studies.<br>Vacuolar-sorting protein SNF8, also known as ESCRT-II complex subunit VPS22, is a key component of the endosomal sorting complex required for transport II (ESCRT-II) in humans. It plays a critical role in multivesicular body (MVB) formation, which mediates the sorting of endosomal cargo proteins into the lysosomal lumen for degradation. This protein is involved in autophagy and is essential for the degradation of receptors such as EGFR and CXCR4, as well as for the exosomal release of proteins including SDCBP and CD63. Located in the cytoplasm, endosome membrane, and nucleus, SNF8 is recruited to endosome membranes to facilitate vesicle formation, highlighting its importance in cellular trafficking and transcriptional regulation processes. |