

## Recombinant Human SNX1 Protein, His-tagged

**Cat. No.** SNX1-2717H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SNX1 Protein (Met1-Ser522) with a N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Met1-Ser522                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This endosomal protein regulates the cell-surface expression of epidermal growth factor receptor. This protein also has a role in sorting protease-activated receptor-1 from early endosomes to lysosomes. This protein may form oligomeric complexes with family members. This gene results in three transcript variants encoding distinct isoforms. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 62.8 kDa<br>Accurate Molecular Mass: 68 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in ddH <sub>2</sub> O to a concentration of 0.1-0.4 mg/mL. Do not vortex.                                                                                                                                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SNX1 sorting nexin 1 [ Homo sapiens (human) ]                                                   |
| <b>Official Symbol</b> | SNX1                                                                                            |
| <b>Synonyms</b>        | SNX1; sorting nexin 1; sorting nexin-1; HsT17379; MGC8664; SNX1A; Vps5; sorting nexin 1A; VPS5; |
| <b>Gene ID</b>         | 6642                                                                                            |
| <b>mRNA Refseq</b>     | NM_001242933                                                                                    |
| <b>Protein Refseq</b>  | NP_001229862                                                                                    |
| <b>MIM</b>             | 601272                                                                                          |

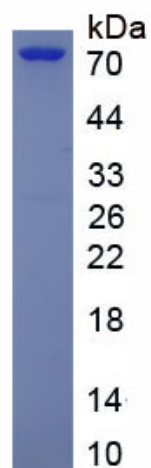
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UniProt ID

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