

## Recombinant Human PSKH1, GST-tagged

**Cat. No.** PSKH1-7016H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human PSKH1 (2-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | Sf9 Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 2 aa-end                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | PSKH1 is a member of the family of protein serine kinase H1 which was originally cloned by homology probing. PSKH1 has been localized to the endoplasmic reticulum (ER), the Golgi apparatus, and the plasma membrane (PM). PSKH1 has been shown to play a structural and regulatory role in maintenance of the Golgi apparatus, which is a key organelle within the secretory pathway. PSKH1 is in a cluster of 5 unrelated genes on 16q22.1 chromosome which is transcribed in the opposite direction from that of LCAT which is a member of the same cluster. |
| <b>Form</b>             | Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | ~72 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | >70%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | Western Blot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>             | Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles. |
| <b>Concentration</b>       | 0.05 µg/µl                                                                                                                                                       |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                  |
| <b>Gene Name</b>           | PSKH1 protein serine kinase H1 [ Homo sapiens ]                                                                                                                  |
| <b>Official Symbol</b>     | PSKH1                                                                                                                                                            |
| <b>Synonyms</b>            | PSKH1; protein serine kinase H1; serine/threonine-protein kinase H1; PSK-H1;                                                                                     |
| <b>Gene ID</b>             | 5681                                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_006742                                                                                                                                                        |
| <b>Protein Refseq</b>      | NP_006733                                                                                                                                                        |
| <b>MIM</b>                 | 177015                                                                                                                                                           |
| <b>UniProt ID</b>          | P11801                                                                                                                                                           |
| <b>Chromosome Location</b> | 16q22.1                                                                                                                                                          |
| <b>Pathway</b>             | mRNA processing, organism-specific biosystem;                                                                                                                    |
| <b>Function</b>            | ATP binding; nucleotide binding; protein serine/threonine kinase activity;                                                                                       |

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