

## Active Recombinant Human FURIN protein, His-tagged

**Cat. No.** FURIN-16H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human FURIN(Asp108-Glu715) fused with His tag at C-terminal was expressed in NS0.                                |
| <b>Species</b>              | Human                                                                                                                        |
| <b>Source</b>               | Mammalian Cells                                                                                                              |
| <b>ProteinLength</b>        | 108-715 a.a.                                                                                                                 |
| <b>Predicted N Terminal</b> | Asp108 & Asp131                                                                                                              |
| <b>Form</b>                 | Supplied as a 0.2 µm filtered solution in Tris, CaCl <sub>2</sub> , NaCl, Brij-35 and Glycerol.                              |
| <b>Bio-activity</b>         | Measured by its ability to cleave the fluorogenic peptide substrate pERTKR-AMC.<br>The specific activity is >125 pmol/min/g. |
| <b>Molecular Mass</b>       | Predicted Molecular Mass: 67 kDa;<br>SDS-PAGE: 65-85 kDa, reducing conditions.                                               |
| <b>Endotoxin</b>            | <1.0 EU per 1 µg of the protein by the LAL method.                                                                           |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain                                                   |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles.<br>6 months from date of receipt, -20 to -70 centigrade as supplied.                      |

 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

3 months, -20 to -70 centigrade under sterile conditions after opening.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | FURIN furin (paired basic amino acid cleaving enzyme) [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                   |
| <b>Official Symbol</b>     | FURIN                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>            | FURIN; furin (paired basic amino acid cleaving enzyme); FUR, PACE, paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein) , PCSK3; furin; SPC1; FES upstream region; dibasic processing enzyme; dibasic-processing enzyme; furin, membrane associated receptor protein; proprotein convertase subtilisin/kexin type 3; paired basic amino acid residue-cleaving enzyme; FUR; PACE; PCSK3; |
| <b>Gene ID</b>             | 5045                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>         | NM_002569                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>      | NP_002560                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MIM</b>                 | 136950                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>          | P09958                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Chromosome Location</b> | 15q26.1                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Pathway</b>             | Activation of Matrix Metalloproteinases, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Developmental Biology, organism-specific biosystem;                                                                                                                                                              |

 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

Extracellular matrix organization, organism-specific biosystem; Gamma-carboxylation, transport, and amino-terminal cleavage of proteins, organism-specific biosystem; Glypican 3 network, organism-specific biosystem;

**Function**

endopeptidase activity; metal ion binding; nerve growth factor binding; peptidase activity; peptide binding; protease binding; serine-type endopeptidase activity; serine-type endopeptidase activity; serine-type endopeptidase inhibitor activity;

 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