

## Recombinant Mouse Furin Protein, Myc/DDK-tagged

Cat. No. Furin-3106M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length furin (paired basic amino acid cleaving enzyme) (Furin), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a calcium-dependent serine endoprotease that proteolytically activates different proprotein substrates traversing the secretory pathway. The encoded protein undergoes proteolytic autoactivation during which an N-terminal propeptide is cleaved to generate the mature protein. Mice lacking the encoded protein die at an embryonic stage and display hemodynamic insufficiency, cardiac ventral closure defect, axial rotation defect and abnormal yolk sac vasculature. Alternative splicing results in multiple transcript variants.
<b>Molecular Mass</b>	87.2 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Furin furin (paired basic amino acid cleaving enzyme) [ *Mus musculus* (house mouse) ]

**Official Symbol** Furin

**Synonyms** Furin; furin (paired basic amino acid cleaving enzyme); Fu; PA; SP; Fur; Pcs; PACE; SPC1; Pcsk3; 9130404I01Rik; furin; dibasic-processing enzyme; paired basic amino acid residue cleaving enzyme; prohormone convertase 3; proprotein convertase subtilisin/kexin type 3; subtilisin pro-protein processing enzyme; EC 3.4.21.75

**Gene ID** 18550

**mRNA Refseq** NM\_001081454

**Protein Refseq** NP\_001074923

**UniProt ID** P23188

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