

Recombinant Mouse Furin Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	87.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	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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