

Active Recombinant Human FURIN protein, His-tagged

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

SPECIFICATION

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

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

GENE INFORMATION

Gene Name	FURIN furin (paired basic amino acid cleaving enzyme) [Homo sapiens]
Official Symbol	FURIN
Synonyms	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;
Gene ID	5045
mRNA Refseq	NM_002569
Protein Refseq	NP_002560
MIM	136950
UniProt ID	P09958
Chromosome Location	15q26.1
Pathway	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;

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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;

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