

Recombinant Human Furin (Paired Basic Amino Acid Cleaving Enzyme)

Cat. No. FURIN-755H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human furin was expressed in vaccinia virus (VV:hFUR713t) infected <i>BSC-40 cells</i> . MW = 81 kDa.
Species	Human
Source	BSC40
Description	Furin is a membrane-associated, calcium-dependent, serine protease that belongs to the subtilisin-like pro-hormone convertase (PC) family. Members of this family cleave pro-hormones, neuropeptide precursors, some viral proteins, and bacterial toxins. The preparation was subjected to UV irradiation for 5 minutes to inactivate any residual virus.
Form	Liquid. In 20 mM Bis-Tris buffer, 1 mg/ml BSA, pH 7.0.
Unit Definition	One unit is defined as the amount of furin that will cleave 1.0 pmol AMC from the substrate pGlu-Arg-Thr-Lys-Arg-AMC per min at 30°C, pH 7.5.
Toxicity	Standard Handling (MSDS available upon request).
Storage	≤ -70°C. Avoid freeze/thaw. Following initial thaw, aliquot and freeze (-70°C).

GENE INFORMATION

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

Email: info@creative-biomart.com Fax: 1-631-938-8127

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

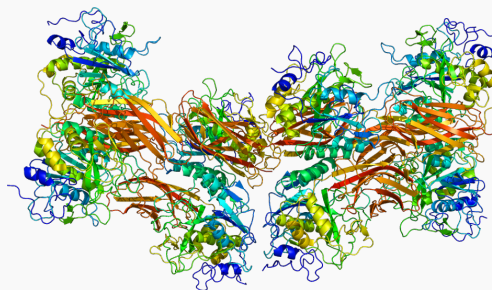
Gene Name	FURIN furin (paired basic amino acid cleaving enzyme) [Homo sapiens]
Synonyms	FURIN; furin (paired basic amino acid cleaving enzyme); FUR; PACE; SPC1; PCSK3; FES upstream region; dibasic processing enzyme; dibasic-processing enzyme; furin, membrane associated receptor protein; proprotein convertase subtilisin/kexin type 3; paired basic amino acid residue-cleaving enzyme; EC 3.4.21.75; paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein)
Gene ID	5045
mRNA Refseq	NM_002569
Protein Refseq	NP_002560
MIM	136950
UniProt ID	P09958
Chromosome Location	15q26.1
Pathway	Metabolism of proteins; Signaling by Notch; Signaling by PDGF; Signaling by TGF beta; Signalling by NGF
Function	endopeptidase activity; metal ion binding; nerve growth factor binding; peptidase activity; peptide binding; protease binding; protein binding; serine-type endopeptidase activity; serine-type endopeptidase inhibitor activity

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