# Recombinant Human FURIN 293 Cell Lysate

**Cat. No.** FURIN-6119HCL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | Antigen standard for furin (paired basic amino acid cleaving enzyme) (FURIN) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection. |
| **Components** | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| **Size** | 0.1 mg |
| **Storage Instruction** | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment. |

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| **Applications** | ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane. |

## GENE INFORMATION

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| **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 |

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| | the extracellular matrix, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Developmental Biology, organism-specific biosystem; 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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