

Active Recombinant Human FURIN protein, His-tagged

Cat. No. FURIN-1468H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FURIN protein(Gln27-Ala574), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	27-574 a.a.
Form	Supplied as 0.2 µm filtered solution in 20 mM Tris, 150 mM NaCl, pH9.0 with glycerol as protectant.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate pERTKR-AMC. The specific activity is >125 pmol/min/µg, as measured under the described conditions.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 62.1 kDa. The protein migrates as 50-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Gln27-Ala574
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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](#)

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