

Rat Furin (FUR) ELISA Kit | FUR elisa kit

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CATALOG #
AAA185766

REACTIVITY
Rat

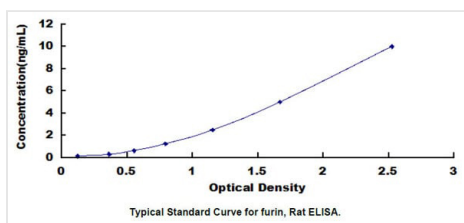
PRODUCT SYNONYMS

Furin (FUR); Rat Furin (FUR) ELISA Kit; PACE; PCSK3; SPC1; Paired Basic Amino Acid Cleaving Enzyme; Dibasic-processing enzyme; FUR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of furin. No significant cross-reactivity or interference between furin and analogues was observed.
Sequence Length	794
Samples	Rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level furin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level furin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FUR elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of furin in rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to furin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to furin. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain furin, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of furin in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505579
NCBI GeneID	5045
NCBI Accession #	NP_002560.1
NCBI GenBank Nucleotide #	NM_002569.3
UniProt Accession #	P09958; Q14336; Q6LBS3; Q9UCZ5
Molecular Weight	86,678 Da
NCBI Official Full Name	furin preproprotein
NCBI Official Synonym Full Names	furin, paired basic amino acid cleaving enzyme
NCBI Official Symbol	FURIN
NCBI Official Synonym Symbols	FUR; PACE; SPC1; PCSK3
NCBI Protein Information	furin
UniProt Protein Name	Furin
UniProt Gene Name	FURIN
UniProt Synonym Gene Names	FUR; PACE; PCSK3; PACE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.