

Human furin (paired basic amino acid cleaving enzyme) ELISA Kit | FURIN elisa kit

Human Furin, FURIN ELISA Kit

CATALOG #
AAA112614

REACTIVITY
Human

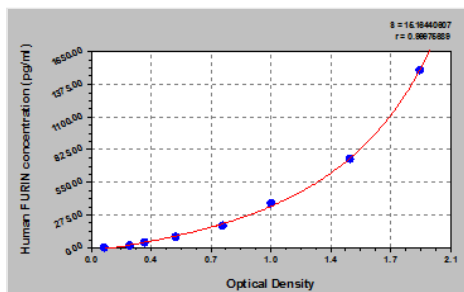
PRODUCT SYNONYMS

furin (paired basic amino acid cleaving enzyme); Human Furin; FURIN ELISA Kit; Human Furin (FURIN) ELISA kit; FUR; PACE; PCSK3; SPC1; FES upstream region; dibasic processing enzyme; furin; membrane associated receptor protein; proprotein convertase subtilisin/kexin type 3; FURIN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human FURIN. No significant cross-reactivity or interference between human FURIN and analogues was observed.
Sequence Length	794
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	23.5 pg/ml -1500 pg/ml.
Sensitivity	The minimum detectable dose of human FURIN is typically less than 5.86 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FURIN elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for FURIN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any FURIN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FURIN is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of FURIN bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	577019578
NCBI GeneID	5045
NCBI Accession #	NP_001276752.1
NCBI GenBank Nucleotide #	NM_001289823.1
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; FES upstream region; dibasic processing enzyme; furin, membrane associated receptor protein; proprotein convertase subtilisin/kexin type 3; paired basic amino acid residue-cleaving enzyme
UniProt Protein Name	Furin
UniProt Gene Name	FURIN
UniProt Synonym Gene Names	FUR; PACE; PCSK3; PACE
UniProt Entry Name	FURIN_HUMAN

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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/furin-paired-basic-amino-acid-cleaving-enzyme/112614>