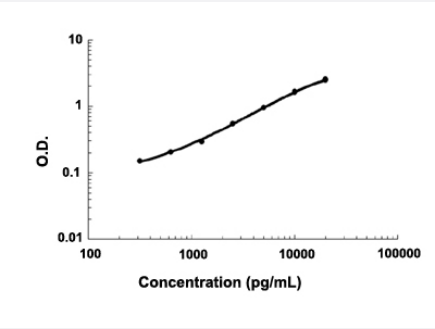
# FURIN (Human) ELISA Kit

Catalog # KA3361 Size 1 Kit

## Applications




The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Specification

| | |
|---|---|
| **Product Description** | FURIN (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human FURIN. |
| **Suitable Sample** | Cell Culture Supernate, Cell Lysate, Tissue Lysate |
| **Sample Volume** | 100 uL |
| **Label** | HRP-conjugated |
| **Detection Method** | Colorimetric |
| **Assay Type** | Quantitative |
| **Calibration Range** | 312 to 20000 pg/mL |
| **Reactivity** | Human |
| **Regulation Status** | For research use only (RUO) |
| **Quality Control Testing** | Standard curve<br>The standard curve is for the purpose of demonstration only and should not be used to calculate unkn owns. A standard curve should be generated each time the assay is performed. |
| **Storage Instruction** | Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles. |

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## Applications

- Quantification

## Gene Info — FURIN

| | |
|---|---|
| **Entrez GeneID** | 5045 |
| **Gene Name** | FURIN |
| **Gene Alias** | FUR, PACE, PCSK3, SPC1 |
| **Gene Description** | furin (paired basic amino acid cleaving enzyme) |
| **Omim ID** | 136950 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene belongs to the subtilisin-like proprotein convertase family. The members of this family are proprotein convertases that process latent precursor proteins into their biologically active products. This encoded protein is a calcium-dependent serine endoprotease th at can efficiently cleave precursor proteins at their paired basic amino acid processing sites. So me of its substrates are: proparathyroid hormone, transforming growth factor beta 1 precursor, pr oalbumin, pro-beta-secretase, membrane type-1 matrix metalloproteinase, beta subunit of pro-ne rve growth factor and von Willebrand factor. It is also thought to be one of the proteases responsib le for the activation of HIV envelope glycoproteins gp160 and gp140. This gene is thought to play a role in tumor progression. The use of alternate polyadenylation sites has been found for this gen e. [provided by RefSeq |
| **Other Designations** | FES upstream region\|dibasic processing enzyme\|furin\|furin, membrane associated receptor prot ein\|paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein)\|prop rotein convertase subtilisin/kexin type 3 |

## Disease

- Cardiovascular Diseases
- Colonic Neoplasms
- Colorectal Neoplasms
- Diabetes Mellitus
- Disease Progression
- Edema

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- Genetic Predisposition to Disease
- Hepatitis B
- Hypertension
- Liver Cirrhosis
- Rectal Neoplasms

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