

Rat Beclin 1 (BECN1) ELISA Kit | Becn1 elisa kit

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CATALOG #
AAA219807

REACTIVITY
Rat

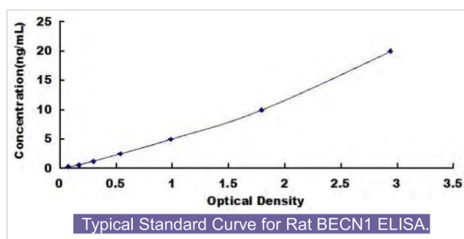
PRODUCT SYNONYMS

Beclin 1 (BECN1); Rat Beclin 1 (BECN1) ELISA Kit; ATG6; VPS30; Coiled-Coil; Myosin-Like BCL2 Interacting Protein; ATG6 Autophagy Related 6 Homolog; Becn1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of BECN1. No significant cross-reactivity or interference between BECN1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.116ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BECN1 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 BECN1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Shelf Life: 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Becn1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BECN1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to BECN1. 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 BECN1, 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 BECN1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of BECN1 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
Product Categories/Family for Becn1 elisa kit	Traditional ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	77628041
NCBI GeneID	114558
NCBI Accession #	NP_001029289.1
NCBI GenBank Nucleotide #	NM_001034117.1
UniProt Accession #	Q91XJ1
Molecular Weight	51,557 Da
NCBI Official Full Name	beclin-1
NCBI Official Synonym Full Names	beclin 1, autophagy related
NCBI Official Symbol	Becn1
NCBI Protein Information	beclin-1; beclin 1 (coiled-coil, myosin-like BCL2-interacting protein); coiled-coil myosin-like BCL2-interacting protein
UniProt Protein Name	Beclin-1
UniProt Gene Name	Becn1

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/rat-elisa-kits/beclin-1-becn1/219807>