Recombinant Rat ACR, His-tagged

Cat. No. ACR-3079R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Acrosin (ACR)
Species	Rat
Source	E.coli
ProteinLength	437
Description	acrosomal serine protease; plays a role in fertilization .
Form	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Molecular Mass	29.1kDa
Endotoxin	<1.0eu per 1ug (determined by the lal</1.0eu
Purity	>95%
Applications	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Notes	Small volumes of ACR recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	Acr acrosin [Rattus norvegicus]
Official Symbol	ACR
Synonyms	ACR; acrosin; acrosin prepropeptide; Acro;
Gene ID	24163
mRNA Refseq	NM_012490
Protein Refseq	NP_036622
Function	amidase activity; drug binding; fucose binding; mannose binding; mannose binding; molecular_function; peptidase activity; peptidase activity; serine-type endopeptidase activity; serine-type endopeptidase activity; serine-type endopeptidase activity;

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