

Recombinant Mouse Acr Protein, His-tagged

Cat. No. Acr-47M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Acr Protein (Ile43-Gly291) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ile43-Gly291
Description	Enables peptidase activity. Involved in single fertilization. Acts upstream of or within binding activity of sperm to zona pellucida and penetration of zona pellucida. Located in acrosomal vesicle. Is expressed in testis. Orthologous to human ACR (acrosin).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.4 kDa Accurate Molecular Mass: 31 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

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less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

[Acr acrosin prepropeptide \[Mus musculus \(house mouse\) \]](#)

Official Symbol

[Acr](#)

Synonyms

ACR; acrosin prepropeptide; acrosin; preproacrosin; MGC124043

Gene ID

[11434](#)

mRNA Refseq

[NM_001205049](#)

Protein Refseq

[NP_001191978](#)

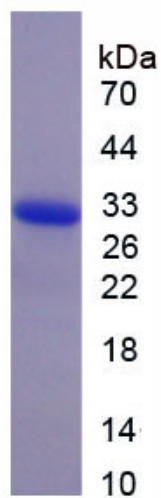
UniProt ID

[P23578](#)

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