

# Rat ADAM17 (His Tag) recombinant protein



Catalog Number: 502745

## General Information

### Gene Name Synonym

TNF-alpha convertase; TNF-alpha-converting enzyme

### Protein Construction

A DNA sequence encoding the rat ADAM17 (Q9Z1K9) (Met1-Asp563) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to cleave a fluorogenic peptide substrate Mca-PLAQAV-Dpa-RSSSR-NH<sub>2</sub> (Catalog # ES003).

The specific activity is >250 pmol/min/μg.

### Purity

(73.2±23.7) % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Pro 18

## Molecular Mass

The recombinant rat ADAM17 comprises 557 amino acids and predicts a molecular mass of 63 kDa. The apparent molecular mass of the recombinant protein is approximately 57 and 20 kDa in SDS-PAGE under reducing conditions due to glycosylation.

## Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

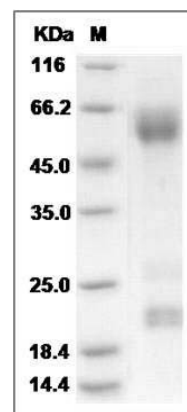
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Rat ADAM17 Protein (His Tag) SDS-PAGE