

## Product datasheet

# Recombinant Human ADAMTS18 protein ab127804

### Description

<b>Product name</b>	Recombinant Human ADAMTS18 protein
<b>Purity</b>	> 70 % SDS-PAGE. Purified via His tag
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>Q8TE60</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Predicted molecular weight</b>	29 kDa
<b>Amino acids</b>	712 to 970
<b>Tags</b>	His-DHFR tag N-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab127804** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Lyophilized

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C.  Constituents: 0.32% Tris HCl, 0.58% Sodium chloride
<b>Reconstitution</b>	Reconstitute with water to desired concentration.

### General Info

<b>Tissue specificity</b>	Expressed in fetal lung, liver, and kidney and in adult brain, prostate, submaxillary gland, and endothelium.
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<b>Sequence similarities</b>	<p>Contains 1 disintegrin domain.</p> <p>Contains 1 peptidase M12B domain.</p> <p>Contains 1 PLAC domain.</p> <p>Contains 5 TSP type-1 domains.</p>
<b>Domain</b>	The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.
<b>Post-translational modifications</b>	The precursor is cleaved by a furin endopeptidase.
<b>Cellular localization</b>	Secreted > extracellular space > extracellular matrix.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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