

# Recombinant Human ADAMTS1/PUNCTIN Protein (His Tag)



Catalog Number:PKSH030600

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

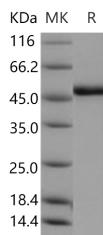
## Description

|                                    |                                  |
|------------------------------------|----------------------------------|
| <b>Synonyms</b>                    | ADAMTS1;ADAMTSR1;C9orf94;PUNCTIN |
| <b>Species</b>                     | Human                            |
| <b>Expression Host</b>             | Baculovirus-Insect Cells         |
| <b>Sequence</b>                    | Met 1-His439                     |
| <b>Accession</b>                   | Q8N6G6-2                         |
| <b>Calculated Molecular Weight</b> | 47.0 kDa                         |
| <b>Observed molecular weight</b>   | 48 kDa                           |
| <b>Tag</b>                         | C-His                            |

## Properties

|                       |                                                                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 97 % as determined by reducing SDS-PAGE.                                                                                                                                                                                                   |
| <b>Endotoxin</b>      | < 1.0 EU per $\mu$ g of the protein as determined by the LAL method.                                                                                                                                                                         |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.        |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.                                                                                                                                                              |
| <b>Formulation</b>    | Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.                                                                                                                                                                                 |

## Data



> 97 % as determined by reducing SDS-PAGE.

## Background

ADAMTS1 is a secreted molecule resembling members of the ADAMTS protein family of matrix metalloproteinases. Both ADAMTS proteins and ADAM protein family contain a disintegrin and a metalloprotease domain. Metallospondins is collective term for members of ADAMTS protein family. ADAMTS proteins lack the EGF-like domain found normally in members of the ADAM protein family. They also do not possess the canonical disintegrin sequence found in the ADAM protein family. It contains the domains found in members of the ADAMTS protein family with the exception of the pro-metalloprotease and the disintegrin-like domain typical of this family. ADAMTS1 gene is expressed in adult skeletal muscle. ADAMTS1 may play an important role in the extracellular matrix as it is deposited in the cell substratum in a punctate fashion and is excluded from focal contacts.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017