

Product datasheet

Recombinant Human ADAMTS17 protein ab153619

1 Image

Overview

Product name	Recombinant Human ADAMTS17 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	DGDWSPWGAWSMCSRTCCTGARFRQRKCDNPPPG PGGTHCPGASVEHAVC ENLPCPKGLPSFRDQQCQAHDRLSPKKKGLLTAVVV DDKPCELYCSPLGK ESPLLVAD
Amino acids	543 to 650
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab153619** in the following tested applications.

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

Applications	Western blot ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

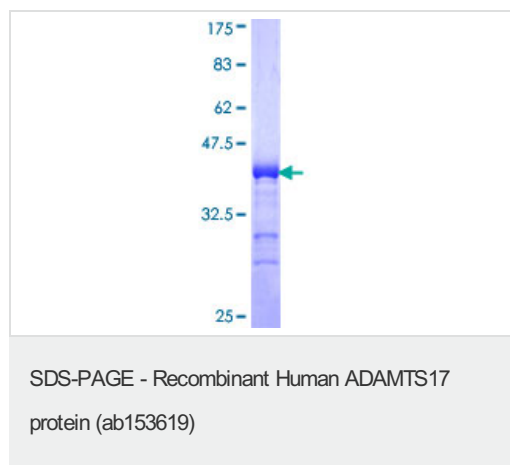
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Tissue specificity	Isoform 1 and isoform 2 are expressed at high levels in the lung, brain, whole eye and retina. Isoform 1 shows a weaker expression in the heart, kidney and skeletal muscle. Isoform 2 shows a weaker expression in the kidney, bone marrow and skeletal muscle. Isoform 1 and isoform 2 are expressed at high levels in the fetal heart, kidney, and whole eye, whereas a weak expression is seen in the fetal liver.
Involvement in disease	Defects in ADAMTS17 are the cause of Weill-Marchesani-like syndrome (WMLS) [MIM:613195]. It is a disorder characterized by many of the key features of Weill-Marchesani syndrome, including lenticular myopia, ectopia lentis, glaucoma, spherophakia and short stature. However, the characteristic brachydactyly or decreased joint flexibility of Weill-Marchesani syndrome are absent.
Sequence similarities	Contains 1 disintegrin domain. Contains 1 peptidase M12B domain. Contains 1 PLAC domain. Contains 5 TSP type-1 domains.
Domain	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.
Post-translational modifications	The precursor is cleaved by a furin endopeptidase.
Cellular localization	Secreted > extracellular space > extracellular matrix.

Images



ab153619 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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