

For Research Use Only

Recombinant Human ADAM17 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg4732

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
C-rFc

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Human ADAM17 protein Phe470-Leu570 (Accession# P78536-1) with a rabbit IgG Fc tag at the C-terminus

GeneID:
6868

Accession:
P78536-1

Predicted Molecular Mass:
37.2 kDa

SDS-PAGE:
48-58 kDa, reducing (R) condition

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

The ADAMs (A Disintegrin And Metalloprotease) are multidomain transmembrane proteins. One of the first ADAMs implicated in membrane shedding is ADAM-17, which is shown to release the active form of tumor necrosis factor (TNF)-α from its precursor. ADAM17 is also named CSVP, TACE. The full-length protein has 9 glycosylation sites, a signal peptide, propeptide, and 2 isoforms produced by alternative splicing.

References

1. P M McGowan. et al. (2008). Ann Oncol. 19(6):1075-1081.
2. Patricia M McGowan. et al.(2007). Clin Cancer Res.13(8):2335-2343.
3. Bin-Bing S Zhou. et al. (2006). Cancer Cell. 10(1):39-50.

Synonyms

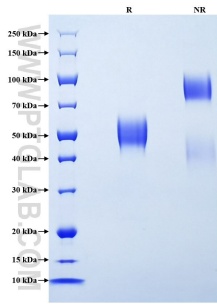
ADAM 17, cSVP, Disintegrin and metalloproteinase domain-containing protein 17, EC:3.4.24.86, Snake venom-like protease

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human ADAM17 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.