

Datasheet for ABIN2870711

ADAM17 Protein (AA 18-563) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	ADAM17
Protein Characteristics:	AA 18-563
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADAM17 protein is labelled with His tag.

Product Details

Sequence:	AA 18-563
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 63.4 kDa. The protein migrates as 19 kDa and 20 kDa(Propeptide),55-66 kDa (Mature-ADAM17) and 75-94 kDa(Pro-ADAM17) under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>85 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	ADAM17
Alternative Name:	ADAM17 (ADAM17 Products)
Background:	Disintegrin and metalloproteinase domain-containing protein 17 (ADAM17), a member of the ADAM protein family of disintegrins and metalloproteases, is also known as TNF-alpha

Target Details

convertase, TNF-alpha-converting enzyme and CD156b, which contains one disintegrin domain and one peptidase M12B domain. ADAM17 can cleave the membrane-bound precursor of TNF-alpha to its mature soluble form. ADAM17 is also responsible for the proteolytical release of soluble JAM3 from endothelial cells surface (By similarity) and proteolytic release of several other cell-surface proteins, including p75 TNF-receptor, interleukin 1 receptor type II, p55 TNF-receptor, transforming growth factor-alpha, L-selectin, growth hormone receptor, MUC1 and the amyloid precursor protein. Furthermore, ADAM17 acts as an activator of Notch pathway by mediating cleavage of Notch, generating the membrane-associated intermediate fragment called Notch extracellular truncation.

Molecular Weight: 63.4 kDa

UniProt: [Q9Z0F8](#)

Pathways: [Notch Signaling](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Response to Growth Hormone Stimulus](#)

Application Details

Restrictions: For Research Use only

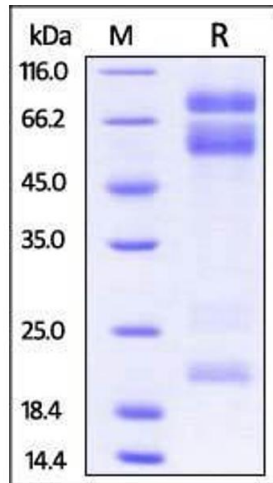
Handling

Format: Lyophilized

Buffer: 50 mM MES, 150 mM NaCl, pH 6.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C



SDS-PAGE

Image 1. Mouse ADAM17, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.