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Datasheet for ABIN5608397

**ADAM17 Protein (partial) (His tag)**

## Overview

Quantity:	50 µg
Target:	ADAM17
Protein Characteristics:	partial
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADAM17 protein is labelled with His tag.
Application:	Western Blotting (WB)

## Product Details

Sequence:	Pro 18 - Asp 563
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Endotoxin level is less than 1.0 EU per ug by the LAL method.

## Target Details

Target:	ADAM17
Alternative Name:	ADAM17 ( <a href="#">ADAM17 Products</a> )
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 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-

## Target Details

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

Gene ID: 11491

UniProt: [Q9Z0F8](#)

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

## Application Details

Application Notes: This recombinant protein can be used for WB.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C, -80 °C

Storage Comment: Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.