

Recombinant Human ADAM17 Protein, GST-tagged

Cat. No. ADAM17-278H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ADAM17 partial ORF (NP_003174, 215 a.a. - 314 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biologic processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The encoded preproprotein is proteolytically processed to generate the mature protease. The encoded protease functions in the ectodomain shedding of tumor necrosis factor-alpha, in which soluble tumor necrosis factor-alpha is released from the membrane-bound precursor. This protease also functions in the processing of numerous other substrates, including cell adhesion proteins, cytokine and growth factor receptors and epidermal growth factor (EGF) receptor ligands. The encoded protein also plays a prominent role in the activation of the Notch signaling pathway. Elevated expression of this gene has been observed in specific cell types derived from psoriasis, rheumatoid arthritis, multiple sclerosis and Crohn's disease patients, suggesting that the encoded protein may play a role in autoimmune disease. [provided by RefSeq, Feb 2016]
Molecular Mass	36.74 kDa

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AA Sequence	RADPDPMKNTCKLLVVADHRFYRYMGRGEESTTTNYLIELIDRVDDIYRNTSWDNA GFKGYGIQIEQIRILKSPQEVKPGKHYNMAKSYPNEEKDAWDV
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ADAM17 ADAM metallopeptidase domain 17 [Homo sapiens]
Official Symbol	ADAM17
Synonyms	ADAM17; ADAM metallopeptidase domain 17; TACE, tumor necrosis factor, alpha, converting enzyme; disintegrin and metalloproteinase domain-containing protein 17; CD156B; cSVP; TNF-alpha convertase; snake venom-like protease; TNF-alpha converting enzyme; ADAM metallopeptidase domain 18; tumor necrosis factor, alpha, converting enzyme; CSVP; TACE; NISBD; ADAM18;
Gene ID	6868
mRNA Refseq	NM_003183
Protein Refseq	NP_003174

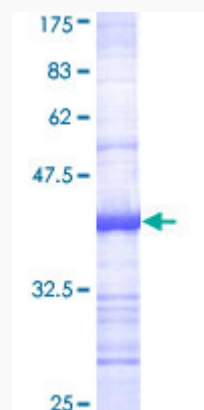
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MIM 603639

UniProt ID P78536



12.5% SDS-PAGE Stained with Coomassie Blue.

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