

ADAM8 Protein, Rhesus Macaque (HEK293, His)

Cat. No.:	HY-P77293
Synonyms:	ADAM 8; ADAM metallopeptidase domain 8; CD156a; MS2
Species:	Rhesus Macaque
Source:	HEK293
Accession:	XP_002805919 (R21-P497)
Gene ID:	100428452
Molecular Weight:	Approximately 53.4 kDa.

PROPERTIES

AA Sequence	<pre> R P W A R V E R Y E V V L P R R L P G P R V R R A L P S H V G L Y P E R V S Y V L G A T G H N F T L H L R K N R D L L G S G Y T E T Y T A A N G S E V T E Q P R G Q D H C F Y Q G H V E G H P D S A A S L S T C A G L R G F F Q V G S D L H L I E P L D E G G E G G R H A V Y E A E H L L Q T A G T C G V S D D S L G S L L G P R T A A V F R P Q P G G S L P S R E T R Y V E L Y V V A D N A E F Q M L G S E A A V R H R V L E V V N H V D K L Y Q K L N F R V V L V G L E I W N R Q D R F H V S P H P D V T L E N L L A W Q A Q R L T Q R H L Q D N V Q L I T G V D F T G T T V G L A R V S A M C S H G S G A V N Q D H S K N P V G V A C T M A H E M G H N L G M D H D E N V Q G C H C R E P T E A G R C I M A G S I G S T F P R M F S D C S R A Y L E G F L E Q P Q S A C L A N A P D L S H L V G G P V C G N L F V E R G E Q C D C G P P E D C R N H C C N S T T C Q L A E G A Q C A H G T C C Q E C R V K P A G E L C R P K K D T C D L E E F C D G R H P E C P E D A F Q E N G T P </pre>
Biological Activity	Measured by its ability to cleave a fluorogenic peptide substrate Mca-PLAQAV-Dpa-RSSSR-NH ₂ . The specific activity is 0.77 pmol/min/μg, as measured under the described conditions.
Appearance	Solution
Formulation	Supplied as a 0.2 μm filtered solution of 12.5 mM Tris, 5 mM CaCl ₂ , 75 mM NaCl, 50% glycerol or 12 mM Tris-HCl, 5 mM CaCl ₂ , 75 mM NaCl, pH 7.4, 50% Glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background

In response to inflammatory stimuli such as lipopolysaccharide (LPS) and tumor necrosis factor alpha (TNF- α), ADAM8 expression is upregulated in macrophages and activated glial cells (astrocytes and microglia) in the central nervous system (CNS), suggesting its involvement in neuronal-glia signaling. ADAM8 has proteolytic, cell adhesion, cell fusion, and cell signaling properties. It is involved in ectodomain shedding of membrane proteins and is associated with inflammation and neurodegeneration^{[1][2]}.

Caution: Product has not been fully validated for medical applications. For research use only.

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