

ASAM/CLMP Protein, Mouse (HEK293, His)

Cat. No.:	HY-P72836
Synonyms:	CXADR-like membrane protein; Adipocyte-specific protein 5; Acam; Asp5; ASAM; CLMP
Species:	Mouse
Source:	HEK293
Accession:	Q8R373 (T18-M232)
Gene ID:	71566
Molecular Weight:	The protein migrates as approximately 30-35 kDa under reducing SDS-PAGE due to glycosylation.

PROPERTIES

AA Sequence	<pre> T H T E I K R V A E E K V T L P C H H Q L G L P E K D T L D I E W L L T D N E G N Q K V V I T Y S S R H V Y N N L T E E Q K G R V A F A S N F L A G D A S L Q I E P L K P S D E G R Y T C K V K N S G R Y V W S H V I L K V L V R P S K P K C E L E G E P T E G S D L T L Q C E S A S G T K P I V Y Y W Q R I R E K E G E D E H L P P K S R I D Y N N P G R V L L Q N L T M A S S G L Y Q C T A G N E A G K E S C V V R V T V Q Y V Q S I G M </pre>
Biological Activity	Measured by the ability of the immobilized protein to support the adhesion of the HUVEC human umbilical vein endothelial cell line. When 4×10^4 cells/well are added to mouse ASAM coated plates (30 $\mu\text{g}/\text{mL}$, 100 $\mu\text{L}/\text{well}$), approximately 78.49% will adhere after 30 min at 37°C.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/ μg , determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g}/\text{mL}$ in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The ASAM/CLMP protein is potentially involved in cell-cell adhesion and may have a role in adipocyte differentiation and the development of obesity. It is also necessary for normal small intestine development, based on similarities with other proteins.
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Caution: Product has not been fully validated for medical applications. For research use only.

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