

ASAM/CLMP Protein, Rat (HEK293, His)

Cat. No.:	HY-P72837
Synonyms:	CXADR-like membrane protein; Adipocyte-specific protein 5; Acam; Asp5; ASAM; CLMP
Species:	Rat
Source:	HEK293
Accession:	Q8K1G0 (T18-M232)
Gene ID:	286939
Molecular Weight:	Approximately 28-35 kDa due to the glycosylation

PROPERTIES

AA Sequence	<p> 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 </p>
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 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>ASAM/CLMP Protein emerges as a potential key player in various cellular processes, with indications of involvement in cell-cell adhesion, suggesting its role in the maintenance of tissue integrity. Furthermore, ASAM/CLMP may play a significant role in adipocyte differentiation, hinting at its potential impact on adipose tissue development and, consequently, the regulation of obesity. Additionally, its requirement for normal small intestine development underscores its importance in the intricate processes governing gastrointestinal tissue formation. Exploring the specific mechanisms by which ASAM/CLMP contributes to cell adhesion, adipocyte differentiation, and intestinal development could provide valuable</p>
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insights into its multifaceted functions and its potential implications in physiological and pathological contexts.

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

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