

OBCAM/OPCML Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P77115
Synonyms:	Opioid-binding protein/cell adhesion molecule; OBCAM; OPCML; IGLON1
Species:	Rat
Source:	HEK293
Accession:	P32736 (G28-V321)
Gene ID:	116597
Molecular Weight:	Approximately 90 kDa.

PROPERTIES

AA Sequence	<div> G V P V R S G D A T F P K A M D N V T V R Q G E S A T L R C T I D D R V T R V A W L N R S T I L Y A G N D K W S I D P R V I I L V N T P T Q Y S I M I Q N V D V Y D E G P Y T C S V Q T D N H P K T S R V H L I V Q V P P Q I M N I S S D I T V N E I S S V T L L C L A I G R P E P T V T W R H L S V K E G Q G F V S E D E Y L E I S D I K R D Q S G E Y E C S A L N D V A A P D V R K V K I T V N Y P P Y I S K A K N T G V S V G Q K G I L S C E A S A V P M A E F Q W F K E D T R L A T G L D G V R I E N K G R I S T L T F F N V S E K D Y G N Y T C V A T N K L G N T N A S I T L Y G P G A V I D G V </div>
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Rat OBCAM at 1 µg/mL (100 µL/well) can bind biotinylated human LSAMP. The ED ₅₀ for this effect is 0.7336 µg/mL.
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	The OBCAM/OPCML protein functions by binding to opioids in the presence of acidic lipids, potentially playing a role in
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cellular communication. This protein is involved in facilitating cell contact and may have implications in various biological processes.

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

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