

Recombinant Mouse OPCML protein(Ala5-Val313), His-tagged

Cat. No. OPCML-221M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse OPCML (NP_808574.2) (Ala5-Val313) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	5-313 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized mouse OPCmL-His at 10µg/mL (100µL/well) can bind human LSAMP-Fc. The EC50 of human LSAMP-Fc is 0.04-0.1 µg/mL.
Molecular Mass	The recombinant mouse OPCML comprises 295 amino acids and has a predicted molecular mass of 32.7 kDa. The apparent molecular mass of the protein is approximately 44-55 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
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GENE INFORMATION

Gene Name	Opcml opioid binding protein/cell adhesion molecule-like [Mus musculus]
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Official Symbol	OPCML
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Synonyms	OPCML; opioid binding protein/cell adhesion molecule-like; Obcam;
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Gene ID	110451
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