

Datasheet for ABIN7320058

OPCML Protein (AA 5-313) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	OPCML
Protein Characteristics:	AA 5-313
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This OPCML protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse OBCAM/OPCML Protein (aa 5-313, His Tag)(Active)
Sequence:	Ala5-Val313
Characteristics:	A DNA sequence encoding the mouse OPCML (NP_808574.2) (Ala5-Val313) was expressed with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	1. Measured by its binding ability in a functional ELISA.2. Immobilized mouse OPCmL-His at 10 µg/mL (100µL/well) can bind human LSAMP-Fc .The EC50 of human LSAMP-Fc is 0.04-0.1 µg/mL.

Target Details

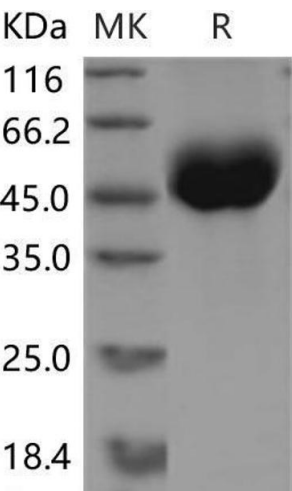
Target:	OPCML
Alternative Name:	OBCAM/OPCML (OPCML Products)
Background:	<p>Background: Opioid-binding Cell Adhesion Molecule (OBCAM), also known as OPCML, is a GPI-anchored cell adhesion molecule in the plasma membrane. This neuron-specific protein, consists of three immunoglobulin (Ig)-like domains anchored to the membrane through a glycosylphosphatidylinositol (GPI)-tail. OPCML also belongs to the member of the IgLON family, a subgroup of the immunoglobulin superfamily, consisting of three members, LAMP, OBCAM, and Neurotrimin. These molecules interact homophilically and heterophilically within the family, and OBCAM acts only as heterodimers with LAMP or Neurotrimin and possibly inhibits neurite outgrowth from cerebellar granule cells. OBCAM has been presumed to play a role as a cell adhesion/recognition molecule. Furthermore, the OPCML protein defects may play an important role in the carcinogenesis of cervical or ovarian cancers, and this gene is regarded as a candidate TSG (tumor suppressor gene).</p> <p>Synonym:</p> <p>2900075015Rik,3732419F12,AI844366,B930023M13Rik,C230027C17,Gm181,Obcam,B-CAM,Gplu,Lu</p>
Molecular Weight:	32.7 kDa
NCBI Accession:	NP_808574

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>



Western Blotting

Image 1.