

Recombinant Human OPCML Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OPCML-2076H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

OPCML MS Standard C13 and N15-labeled recombinant protein (NP_001012393) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a member of the IgLON subfamily in the immunoglobulin protein superfamily of proteins. The encoded preprotein is proteolytically processed to generate the mature protein. This protein is localized in the plasma membrane and may have an accessory role in opioid receptor function. This gene has an ortholog in rat and bovine. The opioid binding-cell adhesion molecule encoded by the rat gene binds opioid alkaloids in the presence of acidic lipids, exhibits selectivity for mu ligands and acts as a GPI-anchored protein. Since the encoded protein is highly conserved in species during evolution, it may have a fundamental role in mammalian systems. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.

Molecular Mass

37.27 kDa

AA Sequence

MYHPAYWVVFSAATALLFIPGVPVRSGLATFPKAMDNVTVRQGESATLRCTIDDRVT
RVAWLNRSTILYAGNDKWSIDPRVILVNTPTQYSIMIQNVVDVYDEGPYTCSVQTDNH
PKTSRVHLIVQVPPQIMNISSDITVNEGSSVTLCLAIGRPEPTVTVRHLVKEGQGF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VSEDEYLEISDIKRDQSGEYECALNDVAAPDVRKVKITVNYPPYISKAKNTGVSVGQ
 KGILSCEASAVPMAEFQWFKEETRLATGLDGMRIENKGRMSTLTFFNVSEKDYGN
 TCVATNKLGNNTNASITLYGPGAVIDGVNSASRALACLWLSGTLAHHFFIKFTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name OPCML opioid binding protein/cell adhesion molecule-like [Homo sapiens (human)]

Official Symbol OPCML

Synonyms OPCML; opioid binding protein/cell adhesion molecule-like; opioid binding protein/cell adhesion molecule like; opioid-binding protein/cell adhesion molecule; IgLON family member 1; IGLON1; OBCAM; OPCM; opioid binding protein/cell adhesion molecule-like preprotein;

Gene ID 4978

mRNA Refseq NM_001012393

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

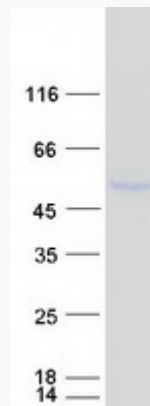
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_001012393

MIM 600632

UniProt ID Q14982

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA