

Product datasheet for TP312254M

OriGene Technologies, Inc.

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OPCML (NM_001012393) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human opioid binding protein/cell adhesion molecule-like (OPCML),

transcript variant 2, 100 µg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC212254 representing NM 001012393

or AA Sequence: Red=Cloning site Green=Tags(s)

MYHPAYWVVFSATTALLFIPGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDDRVTRVAWLNRSTILYA GNDKWSIDPRVIILVNTPTQYSIMIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVPPQIMNISSDITV NEGSSVTLLCLAIGRPEPTVTWRHLSVKEGQGFVSEDEYLEISDIKRDQSGEYECSALNDVAAPDVRKVK ITVNYPPYISKAKNTGVSVGQKGILSCEASAVPMAEFQWFKEETRLATGLDGMRIENKGRMSTLTFFNVS

EKDYGNYTCVATNKLGNTNASITLYGPGAVIDGVNSASRALACLWLSGTLLAHFFIKF

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK

Predicted MW: 34.7 kDa

Concentration: $>0.05 \mu g/\mu L$ as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeg: NP 001012393

Locus ID: 4978



UniProt ID: Q14982

RefSeq Size: 6413 Cytogenetics: 11q25 RefSeq ORF: 1014

Synonyms: IGLON1; OBCAM; OPCM

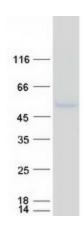
Summary: This gene encodes a member of the IgLON subfamily in the immunoglobulin protein

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. [provided by RefSeq, Jan

2016]

Protein Families: Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified OPCML protein (Cat# [TP312254]). The protein was produced from HEK293T cells transfected with OPCML cDNA clone (Cat# [RC212254]) using

MegaTran 2.0 (Cat# [TT210002]).