

Product datasheet for TP312254M

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 or AA Sequence:	>RC212254 representing NM_001012393 Red =Cloning site Green =Tags(s)

MYHPAYWVFSATTALLFIPGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDDRVTRVAWLNIRSTILYA
GNDKWSIDPRVILVNTPTQYSIMIQNVDVYDEGPYTCVQTDNHPKTSRVHLIVQPPQIMNISSDITV
NEGSSVTLCLLAIGRPEPTVWRHLSVKEGQGFVSEDEYLEISDIKRDQSGEYECALNDVAAPDVRKVK
ITVNYPPYISKAKNTGVSQKQKILSCEASAVPMAEFQWFKEETRLATGLDGMRIENKGRMSTLTFNVS
EKDYGNVYTCVATNKLGNNTASITLYGPGAVIDGVNSASRALACLWLSGTLAHHFFIKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	34.7 kDa
Concentration:	>0.05 µg/µL 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.
RefSeq:	NP_001012393
Locus ID:	4978



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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]).