

Product datasheet for PH312254

OPCML (NM_001012393) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	OPCML MS Standard C13 and N15-labeled recombinant protein (NP_001012393)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212254
Predicted MW:	37.27 kDa
Protein Sequence:	>RC212254 representing NM_001012393 Red=Cloning site Green=Tags(s)

MYHPAYWVFSATTALLFIPGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDDRVTRVAWLNRSITLYA
GNDKWSIDPRVILVNTPTQYSIMIQNVVYDEGPYTCVQTDNHPKTSRVHLIVQVPPQIMNISSDITV
NEGSSVTLCLAIGRPEPTVTRHLSVKEGQGFVSEDEYLEISDIKRDQSGEYECALNDVAAPDVRKVK
ITVNYPPYISKAKNTGVSQKILSCEASAVPMAEFQWFKEETRLATGLDGMRIENKGRMSTLTFNVS
EKDYGNVTCVATNKLGNASITLYGPGAVIDGVNSASRALACLWLSGTL LAHFFIKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001012393</u>
RefSeq Size:	6413
RefSeq ORF:	1014
Synonyms:	IGLON1; OBCAM; OPCM
Locus ID:	4978



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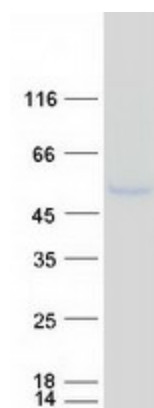
UniProt ID: [Q14982](#)

Cytogenetics: 11q25

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]).