

Recombinant Human OPCML Protein, His-tagged

Cat. No. OPCML-2530H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OPCML Protein (Pro39-Thr310) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro39-Thr310
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.9 kDa Accurate Molecular Mass: 34 kDa

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Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

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

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mRNA Refseq	NM_001012393
Protein Refseq	NP_001012393
MIM	600632
UniProt ID	Q14982

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