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# Product datasheet for PH306468

## Occludin (OCLN) (NM_002538) Human Mass Spec Standard

### Product data:

| | |
|---|---|
| **Product Type:** | Mass Spec Standards |
| **Description:** | OCLN MS Standard C13 and N15-labeled recombinant protein (NP_002529) |
| **Species:** | Human |
| **Expression Host:** | HEK293 |
| **Expression cDNA Clone or AA Sequence:** | RC206468 |
| **Predicted MW:** | 59.1 kDa |
| **Protein Sequence:** | >RC206468 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MSSRPLESPPPYRPDEFKPNHYAPSNDIYGGEMHVRPMLSQPAYSFYPEDEILHFYKWTSPPGVIRILSM<br>LIIVMCIAIFACVASTLAWDRGYGTSLLGGSVGYPYGGSGFGSYGSGYGYGYGYGYGGYTDPRAAKGF<br>MLAMAAFCFIAALVIFVTSVIRSEMSRTRRYYLSVIIVSAILGIMVFIATIVYIMGVNPTAQSSGSLYGS<br>QIYALCNQFYTPAATGLYVDQYSYHYCVVDPQEAIAIVLGFMIIVAFALIIFFAVKTRRKMDRYDKSNIL<br>WDKEHIYDEQPPNVEEWVKNVSAGTQDVPSPPSDYVERVDSPMAYSSNGKVNDKRFYPESSYKSTPVPEV<br>VQELPLTSPVDDFRQPRYSSGGNFETPSKRAPAKGRAGRSKRTEQDHYETDYTTGGESCDELEEDWIREY<br>PPITSDQQRQLYKRNFDTGLQEYKSLQSELDEINKELSRLDKELDDYREESEEYMAAADEYNRLKQVKGS<br>ADYKSKKNHCKQLKSKLSHIKKMVGDYDRQKT<br><br>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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:** | NP_002529 |
| **RefSeq Size:** | 6451 |
| **RefSeq ORF:** | 1566 |

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**Synonyms:** BLCPMG; PPP1R115; PTORCH1

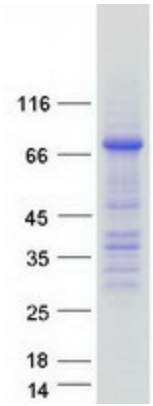
**Locus ID:** 100506658

**UniProt ID:** Q16625

**Cytogenetics:** 5q13.2

**Summary:** This gene encodes an integral membrane protein that is required for cytokine-induced regulation of the tight junction paracellular permeability barrier. Mutations in this gene are thought to be a cause of band-like calcification with simplified gyration and polymicrogyria (BLC-PMG), an autosomal recessive neurologic disorder that is also known as pseudo-TORCH syndrome. Alternative splicing results in multiple transcript variants. A related pseudogene is present 1.5 Mb downstream on the q arm of chromosome 5. [provided by RefSeq, Apr 2011]

## Product images:




Coomassie blue staining of purified OCLN protein (Cat# [TP306468]). The protein was produced from HEK293T cells transfected with OCLN cDNA clone (Cat# [RC206468]) using MegaTran 2.0 (Cat# [TT210002]).