

Product datasheet for **MR224205**

Obsl1 (NM_178884) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Obsl1 (NM_178884) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Obsl1
Synonyms:	AW822216
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224205 representing NM_178884 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>MR224205 representing NM_178884
Red=Cloning site Green=Tags(s)

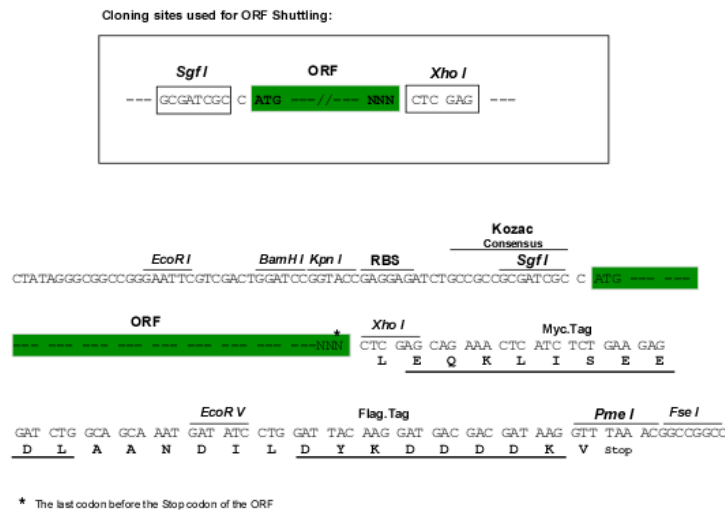
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LEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-XhoI

Cloning Scheme:



ACCN:	NM_178884
ORF Size:	5412 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_178884.5](#), [NP_849215.3](#)

RefSeq Size: 5787 bp

RefSeq ORF: 5415 bp

Locus ID: 98733

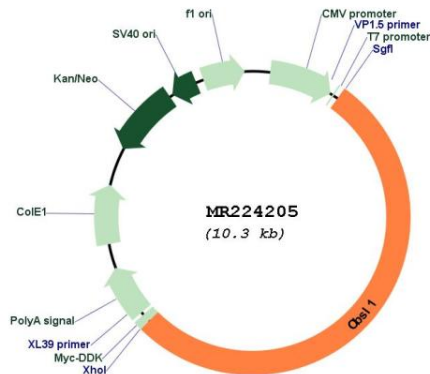
UniProt ID: [D3YYU8](#)

Cytogenetics: 1 C4

MW: 197.9 kDa

Gene Summary: Core component of the 3M complex, a complex required to regulate microtubule dynamics and genome integrity. It is unclear how the 3M complex regulates microtubules, it could act by controlling the level of a microtubule stabilizer. Acts as a regulator of the Cul7-RING(FBXW8) ubiquitin-protein ligase, playing a critical role in the ubiquitin ligase pathway that regulates Golgi morphogenesis and dendrite patterning in brain. Required to localize CUL7 to the Golgi apparatus in neurons (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224205