

Product datasheet for **RG221526**

OSBPL9 (NM_148907) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL9 (NM_148907) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OSBPL9
Synonyms:	ORP-9; ORP9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG221526 representing NM_148907
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTTCTTGCTGGCCACTTGCGGAGGTTTGGATTGAGGATTTGTTCCCTAGTGTCCAAGATTTTGATA
 AGAACTTACAGAAGCTGATGCTTACCTACAACTTGTATTGAACAATTAAGCTTTTTGATGACAAGCT
 TCAAACTGCAAAGAAGATGAACAGAGAAAATAAATTGAACTCTCAAAGAGACAACAAATAGCATGGTA
 GAATCAATTAACACTGCATTGTGTGCTGAGATTGCCAAAAGTACTATTAATCCCGTAGATGCAATAT
 ATCAACCTAGTCTTTGGAACCTGTGATCAGCACAATGCCTTCCCAGACTGTGTTACCTCCAGAACCTGT
 TCAGTTGTGTAAGTCAGAGCAGCGTCCATCTTCCCTACCAGTTGGACCTGTGTTGGCTACCTTGGGACAT
 CATCAGACTCCTACACCAATAGTACAGGCAGTGGCCATTCACCACCGAGTAGCAGTCTCACTTCTCCAA
 GCCACGTGAACCTGTCTCCAAATACAGTCCCAGAGTTCTTACTCCAGCAGTGAAGATGAATTTTATGA
 TGCTGATGAATCCATCAAAGTGGCTCATCCCAAAGCGCTTAATAGATTCTTCTGGATCTGCCTCAGTC
 CTGACACACAGCAGCTCGGAAAATAGTCTAAAACGCCAGATACCACAGAATCACTTAATTTCTTCTTGT
 CCAATGGAACAAGTGATGCTGACCTGTTTGATTACATGATGACAGAGATGATGATGCGGAGGCAGGGTC
 TGTGGAGGAGCACAAGAGCGTTATCATGCATCTTGTGCGAGGTTAGACTTGGAAATGGATCTTACTAAG
 GTAGTTCTTCAAACGTTTATTCTTGAAGAAGATCTCTTTTGAAGATGTATGCAGACTTTTTTGCACATC
 CGGACCTGTTTGTGAGCATTAGTGACCAGAAGGATCCCAAGGATCGAATGGTTCAGGTTGTGAAATGGTA
 CCTCTCAGCCTTTCATGCGGGAAGGAAAGGATCAGTTGCCAAAAGCCATACAATCCCATTTTGGGCGAG
 ATTTTTCAGTGTGATTGGACATTACCAATGATACTGAAGAGAACACAGAAGTTCAGAAAGGACCCAG
 TTCCCTGGGTTTCCAAAACAGTGTAACTTTGTGGCTGAGCAGGTTTCCCATCATCCACCCATTTCAGC
 CTTTTATGCTGAGTGTTTTAACAAGAAGATACAATTCAATGCTCATATCTGGACCAATCAAATTCCTT
 GGGATGTCAATGGGGTGCAACAATAGGGCAGGGCTGTGCTCATGTCTAGACTATGATGAACATTACA
 TTCTCACATTCCCAATGGCTATGGAAGGTCTATCCTCACAGTGCCTGGGTGGAATTAGGAGGAGAATG
 CAATATTAATTTTCCAAAACAGGCTATAGTGCAAAATATCATCTTCCACACTAAACCCTTCTATGGGGG
 AAGAAGCAGCAATTAAGTCCGAGATTTTTTCTCCAAATGACAAGAAGTCTTTTTGCTCAATTGAAGGG
 AATGGAATGGTGTGATGTATGCAAAATATGCAACAGGGGAAAATACAGTCTTTGTAGATACCAAGAAGT
 GCCTATAATCAAGAAGAAAGTGAAGGATGGAAGATCAGAACGAGTATGAATCCCGCAGCCTTTGGAAG
 GATGTCACCTTCAACTTAAAAATCAGAGACATTGATGCAGCAACTGAAGCAAAGCACAGGCTTGAAGAAA
 GACAAAGAGCAGAAGCCCGAGAAAGGAAGGAGAAGGAAATTCAGTGGGAGACAAGTTATTTTCATGAAGA
 TGGAGAATGCTGGGTTTATGATGAACCATTACTGAAACGCTTGGTGTGCCAAGCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG221526 representing NM_148907
 Red=Cloning site Green=Tags(s)

MAFLLATCGGLDSGFVPSVQDFDKLLEADAYLQILIEQLKLFDDKLQNCKEDEQRKKIETLKETTNSMV
 ESIKHCIVLLQIAKSTINPVDIYQPSLEPVISTMPSQTVLPPEPVQLCKSEQRPSLPVGPVLA TLGH
 HQTPTPNSTGSGHSPSSSLTSPSHVNLSPNTVPEFSYSSSEDEFYDADEFHQSGSSPKRLIDSSGSASV
 LTHSSGNSLKRPDTTESLNSSLNNGTSDADLFDSDHDDRDDAEAGSVEEHKSVIMHLLSQVRLGMDLTK
 VVLPPTFILERRSLEMYADFFAHPDLFVSI SDQKDPKDRMVQVVKWYLSAFHAGRKGSVAKKPYNPILGE
 IFQCHWTLPNDEENTEELVSEGPVWVSKNSVTFVAEQVSHHPPISAFYAECFNKKIQFNAHIWTKSKFL
 GMSIGVHNI GQGV SCLDYDEHYILTFPNYGRSILTVPWVVELGGECNINCSKTGYSANIIFHTKPFYGG
 KKHRTAEIFSPNDKKSFCSEIEGEWNGVMYAKYATGENTVFVDTKLP I IKKKVRKLEDQNEYESRSLWK
 DVTFNL KIRDIDAATEAKHRLERQRRAEARERKEKEIQWETRLFHEDGECWVYDEPLLKRLGAHK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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:	<ol style="list-style-type: none">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.
RefSeq:	NM_148907.3
RefSeq Size:	2694 bp
RefSeq ORF:	1881 bp
Locus ID:	114883
UniProt ID:	Q96SU4
Cytogenetics:	1p32.3
Gene Summary:	This gene encodes a member of the oxysterol-binding protein (OSBP) family, a group of intracellular lipid receptors. Most members contain an N-terminal pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain, although some members contain only the sterol-binding domain. This family member functions as a cholesterol transfer protein that regulates Golgi structure and function. Multiple transcript variants, most of which encode distinct isoforms, have been identified. Related pseudogenes have been identified on chromosomes 3, 11 and 12. [provided by RefSeq, Jul 2010]