

Product datasheet for **RG237780**

OSBPL2 (NM_001278649) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL2 (NM_001278649) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OSBPL2
Synonyms:	DFNA67; DNFA67; ORP-2; ORP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237780 representing NM_001278649. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAATCGCCTTCAACGAGCCTCTGAGCTTCTTGCAGCGGATCACGGAGTACATGGAGCACGTGTAC
CTCATCCACAGGGCCTCTGCCAGCCCCAGCCCCGGAGAGGATGCAGTCTGTGGCTGCTTTTGTCTGT
TCGGCTGTGGCTTCCCAGTGGGAGAGGACCGGCAAACATTTAATCCACTCTTGGGAGAAACGTATGAA
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GACGTGCCTGTGGCCAGGAGACCGTGCAGGTCATTCTGGCAGCAAGCTGCTCTGGAGGATCAACACC
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ACACTGGGACCCCGACTGGTTGTATGCAGGGGATTACTTTGAGCGGAATTTCTCCGACTGCCAGATA
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CCTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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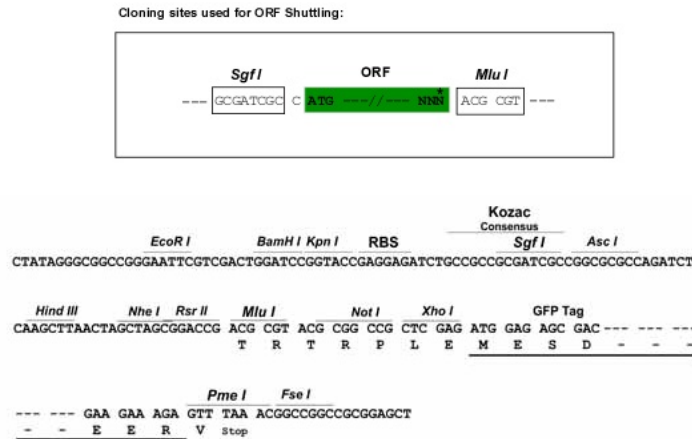
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237780
 Blue=ORF Red=Cloning site Green=Tag(s)

MPIAFNEPLSFLQRITEYMEHVYLIHRASCQPQLERMQSVAFAVSAVASQWERTGKPFNPLLGETYE
 LIREDLGRFRISEQVSHPPISAFHSEGLNHDFLFHGSIYPKLFWGSVEAEPRGTITLELLKHNEAY
 TWTNPTCCVHNVIIGKLWIEQYGTVEILNHRTGHKCVLHFKPCGLFGKELHKVEGHIQDKNKKLFMIY
 GKWTECLWGDIPVSYESFKKQERRGDHLRKAKLDEDSGKADSDVADDVPAQETVQVIPGSKLLWRINT
 RPPNSAQIWPARRRSGWRRSREKHGGSGPRRRRQSGRRGGSTQAITPTLGPPTGCMQGITLSGISPTAQI
 STEGLEPGARDRRLTRLDLFLEWPL
 TRTRPLEMESDESLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNTAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278649

ORF Size: 1110 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).

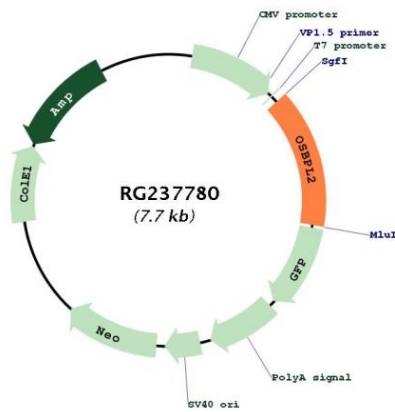
RefSeq: [NM_001278649.2](#)

RefSeq Size: 3848 bp

RefSeq ORF: 1113 bp
 Locus ID: 9885
 Cytogenetics: 20q13.33
 MW: 42.5 kDa

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 the encoded protein contains only the sterol-binding domain. In vitro studies have shown that the encoded protein can bind strongly to phosphatic acid and weakly to phosphatidylinositol 3-phosphate, but cannot bind to 25-hydroxycholesterol. The protein associates with the Golgi apparatus. Transcript variants encoding different isoforms have been described. [provided by RefSeq, Sep 2014]

Product images:



Circular map for RG237780