

Product datasheet for **RG239479**

OSBP2 (NM_001282738) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBP2 (NM_001282738) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OSBP2
Synonyms:	HLM; ORP-4; ORP4; OSBPL1; OSBPL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239479 representing NM_001282738.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCACAGACAGAGAACCCGAACGATGTCGTCACTGGCAGCGAAGCGCCTTGGCATGAACCGTAGGCCA
GCTGGCTCAGGAGGTGGAGGCGGTGAGGCGGCCACTTGGGGCCACCGCTTCTGGCGGCCGAGGAGCGA
CCACAGACAGAAATCAGGGTGAATGGCCACACGTGCCGTGGAACCATCAACCTGTCCACCGCGCAC
ATTGACACGAGGACTCTTGTGGTATCTTGCTGACCAGTGGGGCCAGGAGCTACCACCTCAAGGCCAGC
TCAGAGGTGGACCGGCAGCAGTGGATCACCGCCCTGGAGCTGGCCAAGGCCAAGGCTGTCCGCGTGATG
AACACTCATTAGATGACTCTGGGGACGACGACGAGGCTACCACCCAGCCGACAAGAGCGAGCTGCAC
CACACCTGAAGAATCTTCCCTGAAGTTAGATGACCTCAGCACGTGCAATGACCTCATCGCAAGCAC
GGCGCTGCACTCCAGCGCTCCCTGACAGAGCTGGACGGCCTCAAGATCCCATCTGAGAGTGGGGAGAAG
CTGAAGGTGGTGAATGAGCGGGCCACCCTTCCGCATCATCCAATGCTATGATCAACGCCTGCAGG
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TGGTTTGAGAAGAGGCTGGATCCGCTGACCGGGGAGATGGCCTGTGTGTACAAGGGCGGCTACTGGGAG
GCCAAGGAGAAGCAAGACTGGCATATGTGCCCAACATCTTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
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Protein Sequence: >Peptide sequence encoded by RG239479
 Blue=ORF Red=Cloning site Green=Tag(s)

MHRQRTRTMSSSLAAKRLGMNRRPAGSGGGGGEATWGHFRWQPQERPTDRNQGEMAHTCRGTINLSTAH
 IDTEDSCGILLTSGARSYHLKASSEVDRQQWITALELAKAKAVRMNTHSDDSGDDDEATTPADKSELH
 HTLKNLSLKLDDLSTCNDLIAKHGAALQRSLTELDGLKIPSESGEKLKVVNERATLFRITSNAMINACR
 DFLELAELIHSRKWQRALQYEQEQRVHLEETIEQLAKQHNSLERAFHSAPGRPANPSKSFIEGSLTPKG
 EDSEEDTEYFDAMEDSTSFITVITEAKEDRKAEGSTGTSSVDWSSADNVLDGASLVPGSSKVKRRV
 RIPNKPNSLNLWSIMKNCIGREL SRIPMPVNFNEPLSMLQRLTEDLEYHHLLDKAVHCTSSVEQMCLV
 AAFSVSSYSTTVHRIAKPFNPMLGETFELDRLDDMGLRSLCEQVSHPPSAAHYVFSKHGWSLWQEITI
 SSKFRGKYISIMPLGAIHLEFQASGNHYVWRKSTSTVHNIIVGKLWIDQSGDIEIVNHTNDRCLKFL
 PYSYFSKEAARKVTGVVSDSQGAHYVLSGSWDEQMECSKVMHSSPSSPSSDGKQKTVYQTL SAKLLWK
 KYPLPENAMMYFSELALTLNEHEEGVAPTDSRLRPDQRLMEKGRWDEANTEKQRL EEKQRL SRRRRL
 EACGPGSSCSSEEEKEADAYTPLWFEKRLDPLTGEMACVYKGGYWEAKEKQDWHMCPNIF
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282738

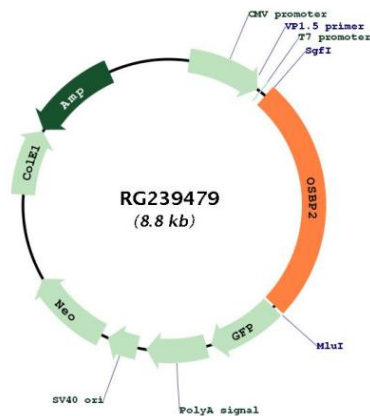
ORF Size: 2250 bp

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:	<u>NM_001282738.1, NP_001269667.1</u>
RefSeq Size:	4026 bp
RefSeq ORF:	2253 bp
Locus ID:	23762
UniProt ID:	<u>Q969R2</u>
Cytogenetics:	22q12.2
MW:	85.2 kDa
Gene Summary:	The protein encoded by this gene contains a pleckstrin homology (PH) domain and an oxysterol-binding region. It binds oxysterols such as 7-ketocholesterol and may inhibit their cytotoxicity. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2013]

Product images:



Circular map for RG239479