

Product datasheet for **RG238355**

OSBP2 (NM_001282742) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | OSBP2 (NM_001282742) 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) |
| ORF Nucleotide Sequence: | >RG238355 representing NM_001282742. Blue=ORF Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGACTCCACATCCTTCATCACCGTGATCACCGAGGCCAAGGAAGACAGAAAAGCTGAAGGTAGC
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AAGGAGCGGATGCCTACACGCCACTGTGGTTTGAAGAAGGCTGGATCCGCTGACCGGGGAGATGGCC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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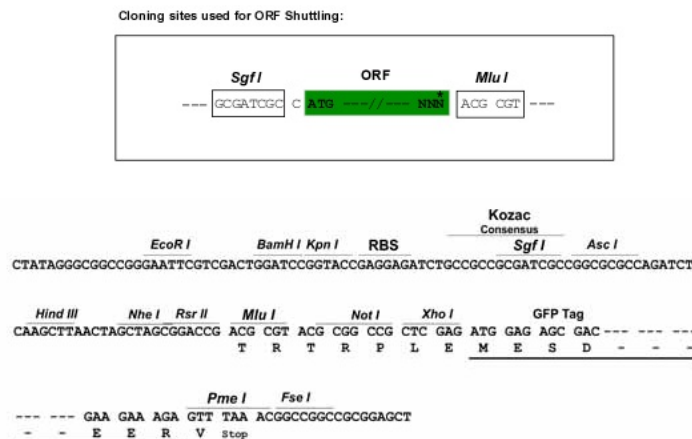
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG238355
 Blue=ORF Red=Cloning site Green=Tag(s)

MEDSTSFITVITEAKEDRKAEGSTGTSSVDWSSADNVLDGASLVPKGSSKVKRRVRIPNKPNSLNLWS
 IMKNCIGREL SRIPMPVNFNEPLSMLQRLTEDLEYHLLDKAVHCTSSVEQMCLVAAFSVSSYSTTVHR
 IAKPFNPMLGETFELDRLLDDMGLRSLCEQVSHHPPSAAHYVF SKHGWSLWQEITISSKFRGKYSISIMPL
 GAITHLEFQASGNHYVWRKSTSTVHNIIVGKLWIDQSGDIEIVNHKTNDRCQLKFLPYSYFSKEAARKVT
 GVVSDSQKAHYVLSGSWDEQMECSKVMHSSPSSSDGKQKTVYQTL SAKLLWKYPLPENAEENMYFF
 SELALTLNEHEEGVAPTD SRLRPDQRLMEKGRWDEANTEKQRLEEKQRLSRRRREACGPGSSCSSEEE
 KEADAYTPLWFEKRLDPLTGEMACVYKGGYWEAKEKQDWHMCPNIF
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282742

ORF Size: 1380 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).

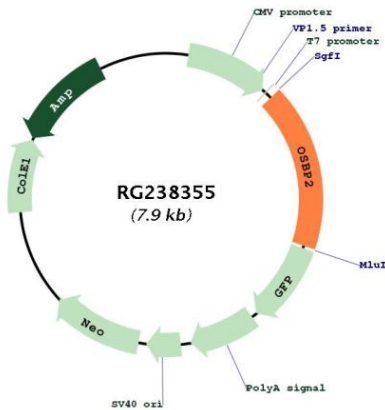
RefSeq: [NM_001282742.1](#), [NP_001269671.1](#)

RefSeq Size: 3257 bp
 RefSeq ORF: 1383 bp

 Locus ID: 23762
 UniProt ID: [Q969R2](#)
 Cytogenetics: 22q12.2
 MW: 52.9 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 RG238355