

Product datasheet for **RC238355**

OSBP2 (NM_001282742) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBP2 (NM_001282742) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OSBP2
Synonyms:	HLM; ORP-4; ORP4; OSBPL1; OSBPL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238355 representing NM_001282742
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGACTCCACATCCTTCATCACCGTGATCACCGAGGCCAAGGAAGACAGAAAAGCTGAAGGTAGCA
 CCGGGACAAGTTCGCTGGACTGGAGCTCAGCAGACAATGTACTAGATGGTGCCTCGCTCGTGCCCAAGGG
 TTCATCCAAAGTCAAGAGGCGAGTCCGCATTCCCAACAAGCCCAACTACAGCCTTAACCTCTGGAGCATC
 ATGAAGAACTGCATCGGCCGGGAGCTCTCCAGGATCCCCATGCCGGTGAACCTCAATGAGCCCTGTCCA
 TGCTCCAGCGGTGACAGAGGACCTGGAGTACCACCACCTGCTGGACAAGGCAGTGCCTGCACCAGCTC
 AGTGGAGCAGATGTGCTGGTGGCCGCTTCTCTGTGCTCCTACTCCACCACAGTGCACCGCATCGCC
 AAGCCCTTCAACCCCATGCTGGGGGAGACCTTCGAGCTGGACCGCTCGACGACATGGGCCTGCGCTCCC
 TCTGTGAGCAGGTGAGCCACCACCCCTCAGCTGCGCACTACGTGTTCTCAAGCATGGCTGGAGCCT
 CTGGCAGGAGATACCATCTCCAGCAAGTTCGGGGAAAATACATCTCCATCATGCCGCTAGGTGCCATC
 CACTTAGAATTCAGGCCAGTGGGAATCACTACGTGTGGAGGAAGAGCACCTCAACTGTTACAACATCA
 TCGTGGGCAAGCTCTGGATCGACCAAGTCAAGGGACATCGAGATTGTGAACCAATAAGACCAATGACCGGTG
 CCAGCTGAAGTTCCTGCCTACAGCTACTTCTCCAAAGAGGCAGCCCGGAAGGTGACAGGAGTGGTGAGT
 GACAGCCAGGGCAAGGCCATTACGTGCTGTCCGGCTCGTGGGATGAACAAATGGAGTGTCCAAGGTCA
 TGCATAGCAGTCCAGCAGCCCCAGCTCTGACGGGAAGCAGAAGACAGTGTACCAGACCTGTGAGCCAA
 GCTGCTGTGGAAGAAGTACCCGCTGCCGGAAGCAGCGGAGAACATGTACTACTTCTCAGAGCTGGCCCTG
 ACCCTCAACGAGCAGGAGGAGGCGTAGCGCAACCGACAGCCGCTGCCGCCGACAGCGGCTGATGG
 AGAAGGGCCGTTGGGACGAGGCCAATACCGAGAAGCAGCGGCTGGAGGAGAAGCAGCGCTGTGCGGGCG
 CCGGCGGCTGGAGGCTGCGGGCCGGGCAGCAGCTGCAGCTCGGAGGAAGAGAAGGAGGCGGATGCCTAC
 ACGCCACTGTGGTTTGAGAAGAGGCTGGATCCGCTGACCGGGGAGATGGCCTGTGTACAGGGCGGCT
 ACTGGGAGGCCAAGGAGAAGCAAGACTGGCATATGTGCCCAACATCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238355 representing NM_001282742
 Red=Cloning site Green=Tags(s)

MEDSTSFITVITEAKEDRKAEGSTGTSSVDWSSADNVLDGASLVPKGSSKVKRRVRIPNKPNYSLNLWSI
 MKNCIGRELSRIPMPVNFNEPLSMLQRLTEDLEYHLLDKAVHCTSSVEQMCLVAAFVSVSSYSTTVHRIA
 KPFNPMLGETFELDRLLDMGLRSLCEQVSHPPSAAHYVF SKHGWSLWQEITISSKFRGKYISIMPLGAI
 HLEFQASGNHYVWRKSTSTVHNIIVGKLWIDQSGDIEIVNHKTNDRCQLKFLPYSYFSKEAARKVTVVVS
 DSQGAHYVLSGSWDEQMECSKVMHSSPSSSDGKQKTVYQTL SAKLLWKYPLPENAEENMYFSELAL
 TLNEHEEGVAPTD SRLRPDQRLMEKGRWDEANTEKQRLLEEKQRLSRRRRLEACGPGSSCSSEEEKEADAY
 TPLWFEKRLDPLTGEMACVYKGGYWEAKEKQDWHMCPNIF

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-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).

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_001282742.1](#), [NP_001269671.1](#)

RefSeq Size: 3257 bp

RefSeq ORF: 1383 bp

Locus ID: 23762

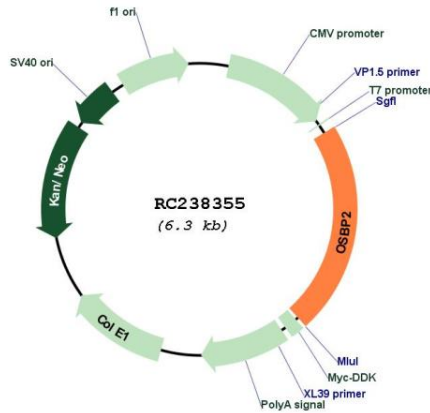
UniProt ID: Q969R2

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 RC238355