

Product datasheet for **RG223738**

OSBP2 (NM_030758) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBP2 (NM_030758) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG223738 representing NM_030758
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAAAGCGCGGCTCCGAGCCGAGCGCGGCTGTGGCGCGGCTCCCGGGGCTCTCGTCGCTGT
 TCACGGTTGTCCCTGCCTGTCGTGCCACACGGCGGCCGGGCATGAGCGCTTCCACGTCCGGCTCCGG
 GCCGGAGCCCAAGCCCCAGCCCCAGCCGTGCCGAACCGGAGCGGGACCGCTGTCAGAACAGGTGTCG
 GAGGCAGTTTCGGAGGCAGTGCCAAGATCGGAACCTGTGTCCGAGACGACGTCTGAGCCGGAGCCAGGGG
 CTGGGCAGCCATCGAACTGCTGCAGGGGTGCGGGCCGGGGTCAGAGTCAAGCTCAGGTGTAGGGGCTGG
 GCCCTTACTAAGGCCGATCGGAGCCGCTCTCCGGGCGGTGGGAGCGCGACCTTTCTCAGACCCGAG
 TCAGGATCGTGCACGCTTAAAGCCCCGCTCTTCTGCGACCAGGACAGGCGAAGACTCCTCTTGGGG
 TTCCAATGTCGGGACTGGCAGCAGCTCCAGTCCCCACTGGCCTTACTGCCTCTGGACAGCTTCGAGGG
 CTGGCTTCTCAAGTGGACCAACTATCTGAAGGGTACCAGCGCCGCTGGTTCGTGCTGGCAATGGTTTG
 CTCTTACTACAGAAATCAGGGTGAAATGGCCCCACACGTGCCGTGGAACCATCAACCTGTCCACCGCGC
 ACATTGACACGGAGGACTCTTGTGGTATCTTGCTGACCAGTGGGGCCAGGAGCTACCACCTCAAGGCCAG
 CTCAGAGGTGGACCGGCAGCAGTGGATCACCGCCTGGAGCTGGCCAAGGCCAAGGCTGTCCGCTGATG
 AACACTCATTAGATGACTCTGGGGACGACGACGAGGCTACCACCCAGCCGACAAGAGCGAGCTGCACC
 ACACCCGAAGAATCTTCCCTGAAGTTAGATGACCTCAGCAGTGAATGACCTCATCGCCAAGCAGCG
 CGCCGACTCCAGCGCTCCCTGACAGAGCTGGACGGCCTCAAGATCCCATCTGAGAGTGGGAGAAGCTG
 AAGGTGGTGAATGAGCGGGCCACCCTCTCCGCATCACATCCAATGCTATGATCAACGCCGTCAGGGACT
 TCTTGAACTAGCAGAGATACACAGTCGGAATGGCAGCGGGCACTGCAGTATGACGAGGACAGCGCGT
 GCACTTGGAGGAAACATTGAGCAGCTGGCGAAGCAGCACAACAGCCTCGAGCGGGCCTTCCACAGTGCC
 CCTGGCCGGCCGCAACCCCTCCAAGACTTCATTGAGGGAAGCCTCTTGACTCCCAAAGGAGAGGACA
 GTGAGGAAGATGAAGATACCGAGTACTTTGATGCCATGGAAGACTCCACATCCTTCATCACCGTGATCAC
 CGAGGCCAAGGAAGACAGAAAAGCTGAAGGTAGCACCGGGAAGTTCCGTGGACTGGAGCTCAGCAGAC
 AATGTAAGTACTAGTGGTGCCTCGCTCGTCCCAAGGGTTCATCCAAAGTCAAGAGGCGAGTCCGCATTCCCA
 ACAAGCCCAACTACAGCCTAACCTCTGGAGCATCATGAAGAAGTGCATCGGCCGGGAGCTCTCCAGGAT
 CCCCATGCCGGTGAAGTCAATGAGCCCTGTCCATGCTCCAGCGGCTGACAGAGGACCTGGAGTACCAC
 CACCTGCTGGACAAGGCAGTGCAGTGCACCAGCTCAGTGGAGCAGATGTGCTGGTGGCCGCTTCTCTG
 GTGCTCCTACTCCACCAGTGCACCGCATCGCCAAGCCCTTCAACCCATGCTGGGGGAGACCTTCGA
 GCTGGACCGCCTCGACGACATGGGCTGCGCTCCCTCTGTGAGCAGGTGAGCCACCACCCCCCTCAGCT
 GCGCACTACGTGTTCTCCAAGCATGGTGGAGCCTCTGGCAGGAGATCACCATCTCCAGCAAGTTCGGGG
 GAAAATACATCTCCATCATGCCGTAGGTGCCATCCACTAGAAATCCAGGCCAGTGGGAATCACTACGT
 GTGGAGGAAGAGCACCTCAACTGTTCAACAATCATCGTGGGCAAGCTCTGGATCGACCAGTCAAGGGAC
 ATCGAGATTGTGAACCATAAGACCAATGACCGGTGCCAGCTGAAGTTCCTGCCCTACAGTACTTCTCCA
 AAGAGGCAGCCCGAAGGTGACAGGAGTGGTGAAGTACAGCCAGGCAAGGCCATTACGTGCTGTCCGG
 CTCGTGGGATGAACAAATGGAGTGTCCAAGTCAAGTGCATAGCAGTCCCAGCAGCCCAAGCTCTGACCGG
 AAGCAGAAGACAGTGTACCAGACCCTGTACGCCAAGCTGCTGTGGAAGAAGTACCCGCTGCCGGAGAACG
 CGGAGAACATGTACTACTTCTCAGAGCTGGCCCTGACCCTCAACGAGCAGCAGGAGGGCGTACGCCAAC
 CGACAGCCGCTGCGGCCGACAGCGGCTGATGGAGAAGGGCCGTTGGGACGAGGCCAATACCGAGAAG
 CAGCGGCTGGAGGAGAAGCAGCGCTGTGCGGGCCGGCGGCTGGAGGCTGCGGGCCGGGCGAGCAGCT
 GCAGCTCGGAGGAAGAGAAGGAGGCGGATGCCTACACGCCACTGTGGTTTGAAGAAGGCTGGATCCGCT
 GACCGGGGAGATGGCCTGTGTACAAGGGCGGCTACTGGGAGGCCAAGGAGAAGCAAGACTGGCATATG
 TGCCCCAACATCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223738 representing NM_030758
 Red=Cloning site Green=Tags(s)

MGKAAAPSRGGGCGGRSRGLSSLFTVVPCLSCHTAAPGMSASTSGSGPEPKPQPVPPEPERGPLESEQVS
 EAVSEAVPRSEPVSETTSEPEPGAGQPSSELLQGSRPGSESSSGVGAGPPTKAASEPLSRVGSATFLRPE
 SGLPLALKPLPLLRPGQAKTPLGVPMSGTGTSSAPLALLPLDSFEGWLLKWTNYLKG YQRRWFLGNGL
 LSYYRNQGEMAHTCRGTINLSTAHIDTEDSCGILLTSGARSYHLKASSEVDRQQWITALELAKAKAVRVM
 NTHSDDSGDDDEATTPADKSELHHTLKNLSLKLDDLSTCNDLIAKHGAALQRSLTELDGLKIPSESGEKL
 KVVNERATLFRITSNAMINACRDFLELAEIHSRKWQRALQYEQEQRVHLEETIEQLAKQHNSLERAFHSA
 PGRPANPSKSFIEGSLTPKGEDSEEDTEYFDAMEDSTSFITVITEAKEDRKAEGSTGTSSVDWSSAD
 NVLDGASLVKPGSSKVKRRVRIPNKNPNSLNLWSIMKNCIGRELSRIPMPVNFNEPLSMLQRLTEDLEYH
 HLLDKAVHCTSSVEQMCLVAAFSVSSYSTTVHRIAKPFNPMLGETFELDRDDMGLRSLCEQVSHHPPSA
 AHYVFSKHGWSLWQEIITISSKFRGKYISIMPLGAIHLEFQASGNHYVWRKSTSTVHNIIVGKLWIDQSGD
 IEIVNHKTNDRCQLKFLPYSYFSKEAARKVTGVVSDSQGKAHYVLSGSWDEQMECSKVMHSSPSSPSSDG
 KQKTVYQTL SAKLLWKKYPLPENAEAMYF SELAL TLNEHEEGVAPTDSRLRPDQRLMEKGRWDEANTEK
 QRLEEKQRLSRRRREACGPGSSCSSEEEKEADAYTPLWFEKRLDPLTGEMACVYKGGYWEAKEKQDWHM
 CPNIF

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

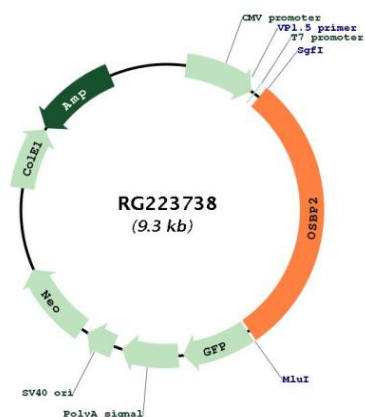
Cloning Scheme:



ACCN: NM_030758

ORF Size:	2745 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:	<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_030758.2 , NP_110385.1
RefSeq Size:	4264 bp
RefSeq ORF:	2751 bp
Locus ID:	23762
UniProt ID:	Q969R2
Cytogenetics:	22q12.2
Domains:	Oxysterol_BP, PH
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 RG223738