

Product datasheet for **RG208025**

OSBPL5 (NM_020896) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL5 (NM_020896) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OSBPL5
Synonyms:	OBPH1; ORP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208025 representing NM_020896
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGAGGAGCCTTCTCCGGCGCCGCTTCTCCCTGTGTCCACCTTCTCCACCCTCAGAAAGTCG
 ACCCCCGGAAGCTCACCCGGAACCTGCTCCTCAGCGGAGACAATGAGCTCTACCCACTCAGCCCAGGGAA
 GGACATGGAGCCCAACGGCCCGTCGCTGCCAGGGATGAAGGGCCCCGACCCCAAGCTCTGCCACGAAG
 GTGCCACCGGCAGAGTACAGGCTGTGCAACGGGTGAGACAAGGAATGTGTGTCCCCACCGCCAGGGTCA
 CCAAGAAGGAGACTCTCAAGGCGCAGAAGGAGAACTACCGGCAGGAGAAGAAGCGCGCCACACGGCAGCT
 GCTCAGCGCTCTGACAGACCCAGCGTGGTCATCATGGCTGACAGCCTGAAGATCCGCGGCACCCTGAAG
 AGCTGGACCAAGCTGTGGTGCCTGCTGAAGCCGGGGTGTGCTCATCTACAAGACGCCCAAGTGGGCC
 AGTGGGTGGGCACGGTGTGCTGCACTGCTGCGAGCTCATCGAGCGGCCCTCAAGAAGGACGGCTTCTG
 CTTCAAGCTCTTCCACCCGCTGGATCAGTCCGCTGGGCCGTGAAGGGCCCCAAAGTGAGAGCGTGGGC
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 GGCTGGACGCCCTGGAGCTGGCCCTGCGCTGCTTAGCCTACTGAGACTGGGCACCTGCAAGCCGGGCCG
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 GTCCACCAGACCAAGACCTGTTCCCACTGAACGGGTCTTCCCTGGAGAACGATGCATTCTCAGACAAGT
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 CGACCAGTCAGAGACCCCTGGGGCCCCGGTGGGAGAGGGACCACCTATGTGGAGCAGGTCCAGGAGGAG
 CTGGGGGAGCTGGGCGAGGCGTCCAGGTGGAGACAGTGTGAGAGGAGAACAAGAGTCTGATGTGGACCC
 TGCTGAAGCAGCTACGGCCAGGATGGACCTGTCCCGCTGGTACCCACGTTCTGACTGGAGCCGCG
 CTCTTCTGAAACAAGCTCTCCGACTACTACTACCACGCAGACCTGCTCTCCAGGGCTGCGGTGGAGGAG
 GATGCCTACAGCCGCATGAAGCTGGTGTGCTGCGGTGGTACCTGTCTGGCTTCTACAAGAAGCCCAAGGAA
 TCAAGAAGCCGTACAACCCATCCTGGGGGAGACCTTCCGCTGCTGCTGGTTCCACCCGCAGACTGACAG
 CCGCACATTCTACATAGCAGAGCAGGTGTCCACCACCCGCCCGTGTCTGCCTTCCACGTGAGCAACCGG
 AAGGACGGCTTCTGCATCAGTGGCAGCATCACAGCAAGTCCAGGTTTTATGGGAACTCGCTGTCCGGCGC
 TGCTGGACGGCAAAGCCACGCTCACCTTCTGAACCGAGCCGAGGATTACACCCTTACCATGCCCTACGC
 CCACTGCAAAGGAATCCTGTATGGCAGCATGACCTGGAGCTGGTGGGAAGTCCACATCGAGTGTGCG
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 CACAGCCAGGCCACGGAGAGCAGCGGATCCACGCCTGAGTCTGCCAGAGCTCTCAGACGAGGAGCAGG
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 AGCTCCACGGCACGGGCAGCACAGGCACCCAGGCCCTCTGCAGAGCCCCGATCCTGTTCTCTGCTG
 TCTGCGTGTCTGGCGTGCAGCTGTTCAATTAACCACATCTCAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – **GTTTAA**

Protein Sequence: >RG208025 representing NM_020896
 Red=Cloning site Green=Tags(s)

MKEEAFRRRFLCPPSSTPQKVDPKRLTRNLLSGDNELYPLSPGKDMEPNGPSLPRDEGPPTSSATK
 VPPAEYRLCNGSDKECVSPTARVTKKTLKAQKENYRQEKKRATRQLLSALTDPSVVIMADSLKIRGTLK
 SWTKLWCVLKPGLVLLIYKTPKVGQWVGTVLLHCCELIERPSKKDGFCKLFHPLDQSVWAVKGPKGESVG
 SITQPLPSSYLIFRAASESDGRCWLDALELALRCSLLRLGTCCKPGRDGEPTSPDASPSSLCGLPASAT
 VHPDQDLFPLNGSLENDAFSDKSERENPEESDTETQDHSRKTESGSDQSETPGAPVRRGTTYVEQVQEE
 LGELGEASQVETVSEENSLMWTLKQLRPGMDLSRVVLPFVLEPRSFNLKLSDYHHADLLSRAAVEE
 DAYSRMKLVLRWYLSGFYKPKGIKKPYNPILGETFRCCWFHPQTDSTRFYIAEQVSHPPVSAFHVSNR
 KDGFICISGSITAKSRFYGNLSALLDGKATLTFLNRAEDYTLTMPYAHCKGILYGTMTLELGGKVTIECA
 KNNFQAQLEFKLKPFFGGSTSINQISGKITSGEEVLASLSGHWDRDVFKEEGSGSSALFWTPSGEVRRO
 RLROHTVPLEEQTELESERLWQHVTRAISKGDQHRATQEKFALEEAQRQRARERQESLMPWPKQLFHLDP
 ITQEWHYRYEDHSPWDPLKDIAQFEQDGLRRTLQQEAVARQTTFLGSPGPRHERSGPDQRLRKASDQPSG
 HSQATESSGSTPESCPELSDEEQDGFVPGGESPCPRCKEARRLQALHEAILSIREAQQELHRHLSAML
 SSTARAAQAPTPGLLQSPRSWFLLCVFLACQLFINHILK

TRTRPLE - GFP Tag - V

Restriction Sites:

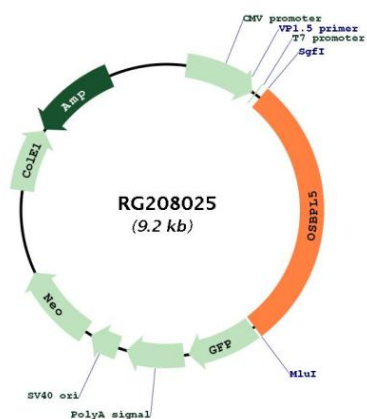
SgfI-MluI

Cloning Scheme:



ACCN:	NM_020896
ORF Size:	2637 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_020896.4
RefSeq Size:	3873 bp
RefSeq ORF:	2640 bp
Locus ID:	114879
UniProt ID:	Q9H0X9
Cytogenetics:	11p15.4
Domains:	Oxysterol_BP, PH
Gene Summary:	This gene encodes a member of the oxysterol-binding protein (OSBP) family, a group of intracellular lipid receptors that play a key role in the maintenance of cholesterol balance in the body. Most members contain an N-terminal pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain. This gene has been shown to be imprinted, with preferential expression from the maternal allele only in placenta. Transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2010]

Product images:



Circular map for RG208025