

Product datasheet for **MR207752**

Osbp12 (NM_144500) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osbp12 (NM_144500) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Osbp12
Synonyms:	C130070J12Rik; mKIAA0772; ORP-2; Orp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207752 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACGGGGAGGAAGAATTCTTTGATGCCGTTACAGGCTTTGATTCTGATAATTCTTCTACAGGGGAAT
 TTTTCAGAGGCAAATAAAATTAGTGGGATGATTGACTTGGATACCAGCAAAGTACTAGGAGTGGGAAAAA
 TGGGGAGAAACCAACAAGAGAATGGAATTCAAAAGCACAGGACAGCCCTTCCTGCTCCCATGTTCAAC
 AGAAGCGACTTCAGTGTGTGGAGTATCCTGAAGAAATGCATTGGCTTGGAACTCTCCAAGATCACAATGC
 CAATTGCCTTCAATGAGCCACTGAGCTTCTGCAGCGGATCACAGAGTACATGGAGCATGTGTACCTCAT
 TCACAAAGCCTCAAGTCAGTCCCAGCCGCTGGAGAGAATGCAGTCTGTGCTGCCTTTGCGGTCTCAGCT
 GTGGCTTCCCAGTGGGAGAGAACTGGCAAACCTTTAACCCTCTTGGGAGAGACATATGAGTTGATCA
 GGAAGACTTAGGTTTCAATTTATATCTGAGCAGGTCAGTACCACCCTCTATTAGCGCATTTTATTC
 AGAAGGTCTCAATCAAGACTTCAGTTCACGGTTCATCTACCCAAAGCTGAAGTTCTGGGCAAGAGT
 GTGGAGCGGAGCCCCGGGGACCATCACACTGGAGCTGCTCAAACATAATGAAGCTATACCTGGACCA
 ACCCTACCTGCTGTGTACACAATGTCATCCTTGGGCAGCTATGGATAGAGCAGTATGGGATAGTGGAGAT
 TGTAATCACAGAAGTGGAGATAAGTGTATACTTCACTTCAAGCCTTGTGGATTGTTGGGAAGGAACTT
 CACAGAGTAGAAGGTACATTCAAGACAAAAACAGGAAGAAGCTCTTTATCATGTATGGCAAGTGGACAG
 AGTGCTTGTGGGAATAGATCCTGCTTCATACGAGTCTTTAAGAAGCAAGAGAAGAGAGGTTGACCAGGC
 CAGGAAGCCAAGATGGATGATGGCCCCGAGAAAGCTAACAGTGTATGCTGCTGGTGTATGTGGCAGACGAC
 GTTCTGTGGCTCAGGAGACGGTCAAGTATCCCCGGCAGCAAGCTGCTCTGGAGGATCAACAGCCGGC
 CCCCCAAGCTGCTCAGATGTACAACCTTACCAGCTTCACTGTGAGTCTCAATGAGTTGGAGTCAGGCAT
 GGAGAAGACTCTGCCACCCACAGACTGCCGCTCCGTCCTGACATACGAGGCATGGAGAACGGAACATG
 GATCTGGCCAGCCAGGAGAAGGAGCGGCTAGAGAAAAGCAGAGAGAGGCCAGAAAAGAGCGTGCCAAAG
 AGGACGCAGAGTGGCGGACCAGGTGGTTCTCTCCAGGCAATAACCCTACACAGGAGCTCCTGACTGGCT
 GTACGCCGCCATTACTTTGAGCGTAACCTCTCAGACTGCCAGACATATAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207752 protein sequence
 Red=Cloning site Green=Tags(s)

MNGEEFFDAVTGFDSNSSTGEFSEANKISGMIDLDTSKSTRSGKNKEKPPQENGIQKHRTALPAMFT
 RSDFSVWSILKKCIGLELSKITMPIAFNEPLSFLQRITMEHVYLIIHKASSQSQPLERMQSVAFAVSA
 VASQWERTGKPFNPLLGETYELIREDLGFRFISEQVSHHPPISAFYSEGLNQDFRFHGSIIYPKLKFVGKS
 VEAEPRTITLELLKHNEAYTWNPTCCVHNVLGQLWIEQYGIVEIVNHRTGDKCILHFPCGLFGKEL
 HRVEGYIQDKNRKFLIMYGKWECLWGIDPASYESFKKQEKRGDQARKAKMDDGPEKANSVDPGDVADD
 VPVAQETVQVIPGSKLLWRINSRPPNSAQMYNFTSFTVSLNELESGMEKTLPTDCRLRPDIRGMENGM
 DLASQEKERLEEKQREARKERAKEDAERWRWFSPGNPYTGAPDWLYAGHYFERNFSDCPDIY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

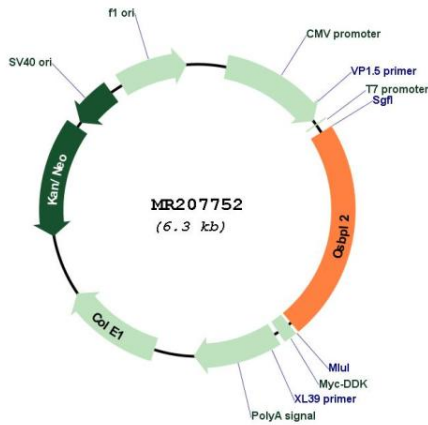
Sgfl-MluI

Cytogenetics: 2 H4

MW: 55.4 kDa

Gene Summary: Intracellular transport protein that binds sterols and phospholipids and mediates lipid transport between intracellular compartments. Increases plasma membrane cholesterol levels and decreases phosphatidylinositol-4,5-bisphosphate levels in the cell membrane. Binds phosphoinositides, such as phosphatidylinositol-4,5-bisphosphate. Exhibits strong binding to phosphatidic acid and weak binding to phosphatidylinositol 3-phosphate. Binds cholesterol, dehydroergosterol, 22(R)-hydroxycholesterol and 25-hydroxycholesterol (in vitro). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207752