

## Recombinant Mouse Osbp13 Protein, Myc/DDK-tagged

Cat. No. Osbp13-4610M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length oxysterol binding protein-like 3 (cDNA clone MGC:102333 IMAGE:5344992), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Phosphoinositide-binding protein which associates with both cell and endoplasmic reticulum (ER) membranes. Can bind to the ER membrane protein VAPA and recruit VAPA to plasma membrane sites, thus linking these intracellular compartments. The ORP3-VAPA complex stimulates RRAS signaling which in turn attenuates integrin beta-1 (ITGB1) activation at the cell surface. With VAPA, may regulate ER morphology. Has a role in regulation of the actin cytoskeleton, cell polarity and cell adhesion. Binds to phosphoinositides with preference for PI(3,4)P2 and PI(3,4,5)P3. Also binds 25-hydroxycholesterol and cholesterol.
<b>Molecular Mass</b>	118.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** *Osbpl3* oxysterol binding protein-like 3 [ *Mus musculus* (house mouse) ]

**Official Symbol** *Osbpl3*

**Synonyms** *Osbpl3*; oxysterol binding protein-like 3; O; OS; ORP3; ORP-3; OSBP3; A530055M08; 1200014M06Rik; 6720421I08Rik; oxysterol-binding protein-related protein 3; OSBP-related protein 3

**Gene ID** 71720

**mRNA Refseq** NM\_027881

**Protein Refseq** NP\_082157

**UniProt ID** Q9DBS9

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