

## Product datasheet for TP515637

### Osbp (NM\_001033174) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse oxysterol binding protein (Osbp), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR215637 representing NM_001033174 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAATELRGVVPGPAAIAAPGGGGAGPPAVGGGGGRGDAGPGPVAAATAATAGGPGPGAGGVAAGGPGS APPAAGSGGSGAGGSGSAREGWLFKWTNYIKGYQRRWFVLSNGLLSYYRSKAEMRHTCRGTINLATANIT VEDSCNFIISNGGAQTYHLKASSEVERQRWVTALELAKAKAVKMLAESDDSGDEESVSQTDKTELQSTLR TLSSKVEDLSTCNDLIAKHGTALQRSLSELESKLPAESNEKIKQVNERATLFRITSNAMINACRDFLML AQTHSKKWQKSLQYERDQRIRLEETLEQLAKQHNHLERAFRGATVLPANPPGSAGSGKDQCCSGKGDMSD EDDENEFFDAPEIITMPENLGHKRTGSNISGASSDVSLEDEYKHQLEETKKEKRTRIPYKPNYSLNLWSI MKNCIGKELSKIPMPVNFNEPLSMLQRLTEDLEYHELLDRAAKCENSLEQLCYVAAFTVSSYSTTVFRTS KPFNPLLGETFELDRLEENGYRSICEQVSHHPPAAAHHAESKNGWTLRQEIKITSKFRGKYLSIMPLGTI HCIFHSTGHHYTWKKVTTTVHNIIVGKLWIDQSGEIDIVNHKTGDKCNLKFVPYSYFSRDVARKVTGEVT DPSGKVFHALLGTWDEKMDCFKVAASGENGGDARQRGHEAEDSRVMLWKRNP LPKNAENMYFSELALT LNAWEGGTAPTDSRLRPDQRLMENGRWDEANAQKQRLQRLSRKKREAEAAKATEDGTPHDPYKALWF ERKKDPVTRELTHIYSGEYWECKEKQDWGSCPDIF</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	89.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



[View online >](#)

<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>RefSeq:</b>	<a href="#">NP_001028346</a>
<b>Locus ID:</b>	76303
<b>UniProt ID:</b>	<a href="#">Q3B7Z2</a>
<b>RefSeq Size:</b>	4590
<b>Cytogenetics:</b>	19 8.58 cM
<b>RefSeq ORF:</b>	2415
<b>Synonyms:</b>	1110018F06Rik; AW559088; mKIAA4220
<b>Summary:</b>	Lipid transporter involved in lipid countertransport between the Golgi complex and membranes of the endoplasmic reticulum: specifically exchanges sterol with phosphatidylinositol 4-phosphate (PI4P), delivering sterol to the Golgi in exchange for PI4P, which is degraded by the SAC1/SACM1L phosphatase in the endoplasmic reticulum. Binds cholesterol and a range of oxysterols including 25-hydroxycholesterol. Cholesterol binding promotes the formation of a complex with PP2A and a tyrosine phosphatase which dephosphorylates ERK1/2, whereas 25-hydroxycholesterol causes its disassembly. Regulates cholesterol efflux by decreasing ABCA1 stability.[UniProtKB/Swiss-Prot Function]