

Product datasheet for **TP510802**

Osbp13 (BC086485) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse oxysterol binding protein-like 3 (cDNA clone MGC:102333 IMAGE:5344992), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210802 representing BC086485 Red =Cloning site Green =Tags(s)
	MSDEKNLGVSQKLVSPTSSTSSCKQGSQRQDSWEVVEGLRGEMTYTQEPPVQKGFLKKRKWPLKGW HK RFFCLEKGILKYAKSQADIEREKLHGCIDVGLSVMSVKKSSKCIDLDTEEHYHLKVKSEELFDEWVSKL RHHRMYRQNEIAMFPRDVNHFFSGSSVTDSAPGVFESVSSRKRSSLKQNSFPPGNSLSFSCGGDTRVPF WLQSSSEMEKCSKDLAHCHAYLLEMSQLLESMDVLHRTYSAPAINAIQVPKPFSGPVRHSSNPNLSTLD FGEEKSYSDGSEASSEFSKMQEDLCHVAHKVYFALRSFNSISVEREKLQLMELDTSPSPSAQVVLKH ALSSENSRRDEGRALVHQLSNESRLSITDSLSEFFDAQEVLLSPSSSENEISDDDSYVSDISDNLSDNL NDLDNERQTLGPVLESSGEARSKRRTSLPAPGPNTSSVSLWSILRNNIGKDLKSVAMPVELNEPLNTLQR LCEELEYSELLDKASRIPSLERMVYVAAFAISAYASSYFRAGSKPFNPVLGETYECIRQDKGFQFFAEQ VSHHPPISACHAESGNFVFWQDVRWKNKFWGKSMEIVPIGTTHVTLPAGDHFENKVTSCIHNILSGQ R WIEHYGEIDIKNLNDDSCHCKVNFIAKYWSTNAHEIEGTVFDRSGKAVHRLFGKWHEIYCGGASSSTC VWRANPMPKGYEQYYGFTQFALELNEMDPLSRSLPPTDTRFRPDQRLLEEGNIEEAQVQKRIEKLQRE RRRVLEENGVEHQPRFFRKSSDDAWVSNGTYLELRKDLGFSKLDHPVLW TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	118.5 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



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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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	71720
UniProt ID:	Q9DBS9
RefSeq Size:	3233
Cytogenetics:	6 B2.3
RefSeq ORF:	2457
Synonyms:	ORP3, OSBP3, A530055M08
Summary:	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.[UniProtKB/Swiss-Prot Function]