

## Recombinant Rat Osbp2 Protein, His-tagged

**Cat. No.** Osbp2-1884R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Osbp2 Protein (Ser627-Phe896) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Ser627-Phe896                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | Predicted to enable cholesterol binding activity and sterol transporter activity. Predicted to be involved in sterol transport. Predicted to act upstream of or within spermatid development. Predicted to be located in apical dendrite. Predicted to be active in cytosol; perinuclear endoplasmic reticulum; and plasma membrane. Orthologous to human OSBP2 (oxysterol binding protein 2). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 35 kDa<br>Accurate Molecular Mass: 32 kDa                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                     |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by                                                                                                                                                                                                                                                                                                           |

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

Osbp2 oxysterol binding protein 2 [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Osbp2

**Synonyms**

OSBP2; oxysterol binding protein 2; oxysterol-binding protein 2; RGD1309479;

**Gene ID**

305475

**mRNA Refseq**

NM\_001107232

**Protein Refseq**

NP\_001100702

**UniProt ID**

D3ZHG4

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