

## Recombinant Human OSBP2 Protein, His-tagged

Cat. No. OSBP2-2532H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human OSBP2 Protein (Leu694-Phe916) with a N-His tag was expressed in E. coli.                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Leu694-Phe916                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | The protein encoded by this gene contains a pleckstrin homology (PH) domain and an oxysterol-binding region. It binds oxysterols such as 7-ketocholesterol and may inhibit their cytotoxicity. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 29.5 kDa<br>Accurate Molecular Mass: 30 kDa                                                                                                                                                                                                                                 |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                            |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by 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. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                               |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | OSBP2 oxysterol binding protein 2 [ Homo sapiens (human) ]                                                                                                                                                                                                         |
| <b>Official Symbol</b> | OSBP2                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>        | OSBP2; oxysterol binding protein 2; OSBPL1; oxysterol-binding protein 2; KIAA1664; ORP 4; ORP4; OSBP-related protein 4; oxysterol binding protein-like 1; oxysterol binding protein-related protein 4; oxysterol-binding protein-related protein 4; ORP-4; OSBPL4; |
| <b>Gene ID</b>         | 23762                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>     | NM_030758                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_110385                                                                                                                                                                                                                                                          |
| <b>MIM</b>             | 606729                                                                                                                                                                                                                                                             |

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UniProt ID

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