

## Recombinant Human OSR1, GST-tagged

Cat. No. OSR1-7008H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human OSR1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	Full length
<b>Description</b>	OSR1 is a member of the Ser/Thr family of protein kinases. OSR1 is activated by osmotic stresses and regulates the downstream protein kinase such as PAK1 in order to establish the sensor/signaling modules that initiate the cellular response to environmental stress. OSR1 can be phosphorylated by ATM or ATR during DNA damage process.
<b>Form</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
<b>Molecular Mass</b>	~86 kDa
<b>Purity</b>	>95%
<b>Applications</b>	Western Blot
<b>Storage</b>	Store at -70°C. For optimal storage, aliquot target into smaller quantities after

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centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.

**Concentration** 0.1 µg/µl

## GENE INFORMATION

**Gene Name** [OSR1 odd-skipped related 1 \(Drosophila\) \[ Homo sapiens \]](#)

**Official Symbol** OSR1

**Synonyms** OSR1; odd-skipped related 1 (Drosophila); ODD, odd skipped (Drosophila) homolog; protein odd-skipped-related 1; odd-skipped homolog; ODD;

**Gene ID** [130497](#)

**mRNA Refseq** [NM\\_145260](#)

**Protein Refseq** [NP\\_660303](#)

**MIM** [608891](#)

**UniProt ID** [Q8TAX0](#)

**Chromosome Location** 2p24.1

**Function** metal ion binding; nucleic acid binding; zinc ion binding;

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