

## Recombinant Rat Kiss1 Protein, His-tagged

Cat. No. Kiss1-1070R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Kiss1 Protein (Glu20-Gly124) with His tag was expressed in CHO.
<b>Species</b>	Rat
<b>Source</b>	CHO
<b>ProteinLength</b>	Glu20-Gly124
<b>Description</b>	Enables kisspeptin receptor binding activity. Involved in several processes, including generation of ovulation cycle rhythm; positive regulation of cell communication; and positive regulation of cytosolic calcium ion concentration involved in phospholipase C-activating G protein-coupled signaling pathway. Located in several cellular components, including apical plasma membrane; extracellular space; and neuronal cell body. Human ortholog(s) of this gene implicated in hypogonadotropic hypogonadism 13 with or without anosmia. Orthologous to human KISS1 (KiSS-1 metastasis suppressor).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 13.2 kDa; Accurate Molecular Mass: 21 kDa
<b>Purity</b>	> 97%
<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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Kiss1 KiSS-1 metastasis-suppressor [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	<a href="#">Kiss1</a>
<b>Synonyms</b>	KISS1; KiSS-1 metastasis-suppressor; metastasis-suppressor KiSS-1; metastin; kisspeptin-1; MLL septin-like fusion; Eseptin;
<b>Gene ID</b>	<a href="#">289023</a>
<b>mRNA Refseq</b>	<a href="#">NM_181692</a>
<b>Protein Refseq</b>	<a href="#">NP_859043</a>
<b>UniProt ID</b>	<a href="#">Q7TSB7</a>

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