Recombinant Rat Kiss1 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Kiss1 Protein (Glu20-Gly124) with His tag was expressed in CHO.
Species	Rat
Source	CHO
ProteinLength	Glu20-Gly124
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.2 kDa; Accurate Molecular Mass: 21 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	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.
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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

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

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