

Recombinant Rat Kiss1r Protein, His-tagged

Cat. No. Kiss1r-1712R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Kiss1r Protein (Gly327-Leu396) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gly327-Leu396
Description	Enables G protein-coupled peptide receptor activity and neuropeptide binding activity. Involved in several processes, including arachidonic acid secretion; positive regulation of cell communication; and positive regulation of stress fiber assembly. Located in membrane. Human ortholog(s) of this gene implicated in central precocious puberty 1; hypogonadism; and hypogonadotropic hypogonadism 8 with or without anosmia. Orthologous to human KISS1R (KISS1 receptor).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 11.4 kDa Accurate Molecular Mass: 11 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Kiss1r KISS1 receptor [Rattus norvegicus (Norway rat)]
Official Symbol	Kiss1r
Synonyms	KISS1R; KISS1 receptor; kiSS-1 receptor; kiSS-1R; rOT7T175; metastin receptor; kisspeptins receptor; G protein-coupled receptor 54; G-protein coupled receptor 54; G-protein coupled receptor OT7T175; orphan G protein-coupled receptor GPR54; Gpr54;
Gene ID	78976
mRNA Refseq	NM_023992
Protein Refseq	NP_076482

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UniProt ID

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