Recombinant Human KISS1 protein, His & T7-tagged

Cat. No. KISS1-1646H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KISS1 aa. (Glu20~Gly138 (Accession # Q15726)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu20~Gly138
Description	This gene is a metastasis suppressor gene that suppresses metastases of melanomas and breast carcinomas without affecting tumorigenicity. The encoded protein may inhibit chemotaxis and invasion and thereby attenuate metastasis in malignant melanomas. Studies suggest a putative role in the regulation of events downstream of cell-matrix adhesion, perhaps involving cytoskeletal reorganization. A protein product of this gene, kisspeptin, stimulates gonadotropin-releasing hormone (GnRH)-induced gonadotropin secretion and regulates the pubertal activation of GnRH nuerons. A polymorphism in the terminal exon of this mRNA results in two protein isoforms. An adenosine present at the polymorphic site represents the third position in a stop codon. When the adenosine is absent, a downstream stop codon is utilized and the encoded protein extends for an additional seven amino acid residues.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.2kDa

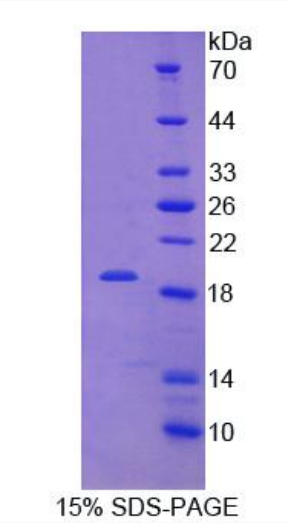
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Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.
Isoelectric Point	10.5

GENE INFORMATION

Gene Name	KISS1 KiSS-1 metastasis-suppressor [Homo sapiens (human)]
Official Symbol	KISS1
Synonyms	KISS1; KiSS-1 metastasis-suppressor; HH13; KiSS-1; metastasis-suppressor KiSS-1; kisspeptin-1; malignant melanoma metastasis-suppressor; metastin; prepro-kisspeptin

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Gene ID	3814
mRNA Refseq	NM_002256.3
Protein Refseq	NP_002247.3
UniProt ID	Q15726
SDS-PAGE	

15% SDS-PAGE

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