Recombinant Human KISS1

Cat. No. KISS1-28652TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length mature Human Kisspeptin , Predicted MWt 12.6kDa.
Species	Human
Source	E.coli
ProteinLength	119 amino acids
Description	This gene is a metastasis suppressor gene that suppresses metastases of melanomas and breast carcinomas without affecting tumorigenicity. The encoded protein may function to inhibit chemotaxis and invasion, attenuating metastasis in malignant melanomas. Studies suggest a putative role in the regulation of events downstream of cell-matrix adhesion, perhaps involving cytoskeletal reorganization. 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.
Molecular Weight	12.600kDa
Tissue specificity	Very high expression in placenta, with the next highest level in testis and moderate levels in pancreas, liver, small intestine and brain at much lower levels. Expression levels increased in both early placentas and molar pregnancies and are reduced in ch
Form	Liquid

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Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 0.02% DTT, 10% Glycerol
Storage	Please see Notes section
Sequences of amino acids	MEPLEKVASV GNSRPTGQQL ESLGLLAPGE QSLPCTERKP AATARLSRRG TSLSPPPESS GSPQQPGLSA PHSRQIPAPQ GAVLVQREKD LPNYNWNSFG LRFGKREAAP GNHGRSAGRG
Sequence Similarities	Belongs to the KISS1 family.

GENE INFORMATION

Gene Name	KISS1 KiSS-1 metastasis-suppressor [Homo sapiens]
Official Symbol	KISS1
Synonyms	KISS1; KiSS-1 metastasis-suppressor; metastasis-suppressor KiSS-1;
Gene ID	3814
mRNA Refseq	NM_002256
Protein Refseq	NP_002247
MIM	603286
Uniprot ID	Q15726
Chromosome	1q32

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Location	
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem;
Function	protein binding;

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