

# Recombinant Human KISS1

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length mature Human Kisspeptin , Predicted MWt 12.6kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	119 amino acids
<b>Description</b>	<p>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.</p>
<b>Molecular Weight</b>	12.600kDa
<b>Tissue specificity</b>	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
<b>Form</b>	Liquid

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

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">KISS1 KiSS-1 metastasis-suppressor [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">KISS1</a>
<b>Synonyms</b>	KISS1; KiSS-1 metastasis-suppressor; metastasis-suppressor KiSS-1;
<b>Gene ID</b>	<a href="#">3814</a>
<b>mRNA Refseq</b>	<a href="#">NM_002256</a>
<b>Protein Refseq</b>	<a href="#">NP_002247</a>
<b>MIM</b>	<a href="#">603286</a>
<b>Uniprot ID</b>	<a href="#">Q15726</a>
<b>Chromosome</b>	1q32

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<b>Location</b>	
<b>Pathway</b>	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;
<b>Function</b>	protein binding;

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