

## Product datasheet for **TP306859**

### Kisspeptin (KISS1) (NM\_002256) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human KiSS-1 metastasis-suppressor (KISS1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206859 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MNSLVSWQLLLFLCATHFGEPLKVASVGNRSRPTGQQLLESLGLLAPGEQSLPCTERKPAATARLSRRGTS LSPPPSSGSPQQPGLSAPHSRQIPAPQGAVLVQREKDLPNYNWNSFGLRFGKREAAPGNHGRSAGRG
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	14.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_002247</a>
Locus ID:	3814
UniProt ID:	<a href="#">Q15726</a>
RefSeq Size:	731
Cytogenetics:	1q32.1



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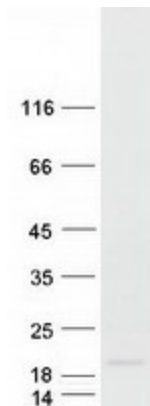
RefSeq ORF: 414

Synonyms: HH13; KiSS-1

**Summary:** 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 neurons. 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. [provided by RefSeq, Mar 2012]

**Protein Families:** Druggable Genome, Secreted Protein

### Product images:



Coomassie blue staining of purified KISS1 protein (Cat# TP306859). The protein was produced from HEK293T cells transfected with KISS1 cDNA clone (Cat# [RC206859]) using MegaTran 2.0 (Cat# [TT210002]).