

Product datasheet for **AR09057PU-L**

KISS-1 (1-120) Human Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | KISS-1 (1-120) human recombinant protein, 0.5 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MEPLEKVASV GNSRPTGQQL ESLGLLAPGE QSLPCTERKP AATARLSRRG TSLSPPPSS GSPQQPLSA PHSRQIPAPQ GAVLVQREKD LPNYNWNWSFG LRFKREAAP GNHGRSAGRG |
| Predicted MW: | 12.6 kDa |
| Concentration: | lot specific |
| Purity: | >90% by SDS-PAGE |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris pH 8.0, 1 mM DTT, 10% glycerol |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant KISS1 protein was expressed in E.coli and purified by using conventional chromatography techniques. |
| Note: | (Real molecular weight on SDS-PAGE will be shift up) |
| Storage: | Store (in aliquots) at -20°C. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | NP_002247 |
| Locus ID: | 3814 |
| UniProt ID: | Q15726 |
| Cytogenetics: | 1q32.1 |
| Synonyms: | HH13; KiSS-1 |



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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: