

# Recombinant Human KISS1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** KISS1-5077H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | KISS1 MS Standard C13 and N15-labeled recombinant protein (NP_002247) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <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 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.</p> |
| <b>Molecular Mass</b>   | 14.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MNSLVSWQLLLFLCATHFGEPLEKVASVGNSRPTGQQLESGLLAPGEQSLPCTER<br>KPAATARLSRRGTSLSPPPESSGSPQQPGLSAPHSRQIPAPQGAVLVQREKDLPNY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
|                       | NWNSFGLRFGKREAAPGNHGRSAGRGTRTRPLEQKLISEEDLAANDILDYKDDDDK<br>V                              |
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | KISS1 KiSS-1 metastasis-suppressor [ Homo sapiens (human) ]                                                                                            |
| <b>Official Symbol</b> | KISS1                                                                                                                                                  |
| <b>Synonyms</b>        | KISS1; KiSS-1 metastasis-suppressor; metastasis-suppressor KiSS-1; metastin; kisspeptin-1; malignant melanoma metastasis-suppressor; KiSS-1; MGC39258; |
| <b>Gene ID</b>         | 3814                                                                                                                                                   |
| <b>mRNA Refseq</b>     | NM_002256                                                                                                                                              |
| <b>Protein Refseq</b>  | NP_002247                                                                                                                                              |
| <b>MIM</b>             | 603286                                                                                                                                                 |

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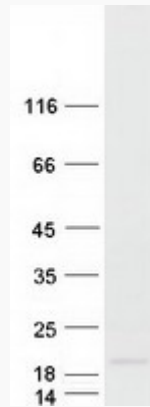
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UniProt ID

Q15726

SDS-PAGE



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