



# Recombinant Human Metastasis-suppressor KiSS-1 (KISS1)

<b>Product Code</b>	CSB-EP621883HU
<b>Abbreviation</b>	KISS1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q15726
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	E PLEKVASVGN SRPTGQQLES LGLLAPGEQS LPCTERKPAA TARLSRRGTS LSPPPESSGS PQQPGLSAPH SRQIPAPQGA VLVQREKDLF NYNWNSFGLR FGKREAAPGN HGRSAGRG
<b>Source</b>	E.coli
<b>Target Names</b>	KISS1
<b>Protein Names</b>	Recommended name: Metastasis-suppressor KiSS-1 Alternative name(s): Kisspeptin-1 Cleaved into the following 4 chains: 1. Metastin Alternative name(s): Kisspeptin-54 Kisspeptin-14 Kisspeptin-13 Kisspeptin-10
<b>Expression Region</b>	20-138
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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