

Recombinant Mouse Kiss1 Protein, Myc/DDK-tagged

Cat. No. Kiss1-3696M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length KiSS-1 metastasis-suppressor (Kiss1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Metastasis suppressor protein. May regulate events downstream of cell-matrix adhesion, perhaps involving cytoskeletal reorganization. Generates a C-terminally amidated peptide, metastatin which functions as the endogenous ligand of the G-protein coupled receptor GPR54. Activation of the receptor inhibits cell proliferation and cell migration, key characteristics of tumor metastasis. The receptor is also essential for normal gonadotropin-released hormone physiology and for puberty. The hypothalamic KiSS1/GPR54 system is a pivotal factor in central regulation of the gonadotropic axis at puberty and in adulthood. Intracerebroventricular administration induces an increase in serum LH and FSH levels in prepubertal male and female as well as in adult animals.
Molecular Mass	14.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Kiss1 KiSS-1 metastasis-suppressor [Mus musculus (house mouse)]
Official Symbol	Kiss1
Synonyms	KISS1; KiSS-1 metastasis-suppressor; metastasis-suppressor KiSS-1; metastatin; kisspeptin-1; 0610012C01Rik; metastatin
Gene ID	280287
mRNA Refseq	NM_178260
Protein Refseq	NP_839991
UniProt ID	Q6Y4S4

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