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Product datasheet for TP526535

Kiss1 (NM_178260) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse KiSS-1 metastasis-suppressor (Kiss1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226535 representing NM_178260 Red=Cloning site Green=Tags(s) MISMASWQLLLLLCVATYGEPLAKVKPGSTGQQSGPQELVNAWEKESRYAESKPGSAGLRARRSSPCPPV EGPAGRQRPLCASRSRLIPAPRGAVLVQREKDLSTYNWNSFGLRYGRRQAARAARG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	14.2 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
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 after receiving vials.
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:	NP_839991
Locus ID:	280287
UniProt ID:	Q6Y4S4, I0J0X7
RefSeq Size:	496
Cytogenetics:	1 E4
RefSeq ORF:	378

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Synonyms: kisspeptin; metastatin

Summary: Metastasis suppressor protein. May regulate events downstream of cell-matrix adhesion, perhaps involving cytoskeletal reorganization. Generates a C-terminally amidated peptide, metastin 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.[UniProtKB/Swiss-Prot Function]