9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KISS1 Human

KISS-1 Metastasis-Suppressor Human Recombinant
RCP1168

Product Overview

Name	KISS1 Human
Description	
KISS-1 Metastasis-Suppressor Human Recombinant	
Accession (Primary)	Q15726
Synonyms	
Kisspeptin-1, KISS-1, METASTIN, Metastasis-suppressor KiSS-1, KISS1, MGC39258.	
Introduction	
KISS1 is a metastasis suppressor protein that suppresses metastases of melanomas and breast carcinomas without affecting tumorigenicity.KISS1 functions to inhibit chemotaxis and invasion, attenuating metastasis in malignant melanomas. KISS1 is involved in the regulation of cell-matrix adhesion. KISS1 plays a role in cytoskeletal reorganization. A polymorphism in the terminal exon of KISS1 mRNA results in two protein isoforms. Expression of KiSS1 is localized to specific regions of the hypothalamus in numerous species and is regulated by gonadal steroids and across the estrous cycle..KISS1 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The protein solution (1mg/ml) contains 20mM Tris-HCl pH-8, 1mM DTT & 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MEPLEKVASV GNSRPTGQQL ESLGLLAPGE QSLPCTERKP AATARLSRRG TSLSPPPESS GSPQQPGLSA	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PHSRQIPAPQ GAVLVQREKD LPNYNWNSFG LRFGKREAAP GNHGRSAGRG.

Precautions

KISS1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q15726)