

Recombinant human KISS1 protein

Catalog Number: KIS0901

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-120aa

UniProt No.

Q15726

NCBI Accession No.

NP_002247

Alternative Names

KiSS-1 metastasis suppressor, Prepro-kisspeptin, Kisspeptin, Metastin

PRODUCT SPECIFICATION

Molecular Weight

12.6 kDa (120aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

KiSS-1 metastasis-suppressor (KISS1) is a metastasis suppressor gene that suppresses metastases of melanomas and breast carcinomas without affecting tumorigenicity. The metastasis suppressor properties may be mediated in part by cell cycle arrest and induction of apoptosis in malignant cells. Expression of KISS1 has been localized to specific regions of the hypothalamus in many species and is regulated by gonadal steroids and across the estrous cycle. Recombinant KISS1 protein was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

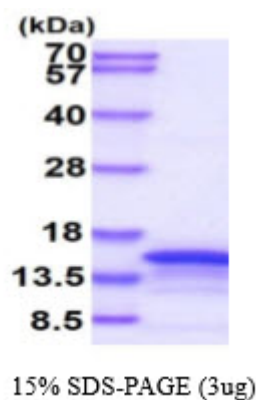
MEPLEKVASV GNSRPTGQQL ESLGLLAPGE QSLPCTERKP AATARLSRRG TSLSPPESS GSPQQPGLSA PHSRQIPAPQ
GAVLVQREKD LPNYNWNFSFG LRFKREAAP GNHGRSAGRG

General References

Harms JF., et al. (2003) Clin Exp Metastasis. 1(1):11-8.
Smith JT., . (2007) Rev Endocr Metab Disord. 8(1):1-9.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.