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# Recombinant human KISS1 protein

Catalog Number: KIS0901

#### **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-120aa

#### UniProt No.

015726

#### **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**

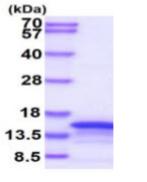
MEPLEKVASV GNSRPTGQQL ESLGLLAPGE QSLPCTERKP AATARLSRRG TSLSPPPESS GSPQQPGLSA PHSRQIPAPQ GAVLVQREKD LPNYNWNSFG LRFGKREAAP GNHGRSAGRG

## **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**



15% SDS-PAGE (3ug)

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

