

## PRODUCT DATASHEET

### Muellerian-Inhibiting Factor Human HEK293

**Cat. No.:** RD172115100-HEK

**Type:** Recombinant protein

**Size:** 0.1 mg

**Source:** HEK293

**Species:** Human

#### Description

Total 439 AA. MW: 46.5 kDa (calculated). UniProtKB acc. No. P03971 (Leu19–Arg451). C-terminal His-tag (6 extra AA). Protein identity confirmed by LC-MS/MS.

#### Other names

Anti-Muellerian hormone, AMH, Muellerian-inhibiting substance, MIS, MIF

#### Introduction to the molecule

#### Research topic

Animal studies

#### Amino Acid sequence

LLGTEALRAE EPAVGTSGLI FREDLDWPPG SPQEPLCLVA LGGDSNGSSS PLRVVGALSA YEQAFLGAVQ RARWGPRDLA TFGVCNTGDR  
QAALPSLRRL GAWLRDPGGQ RLVLHLEEV TWEPTSLRF QEPPPGGAGP PELALLVLYP GPGPEVTVTR AGLPGAQSLC PSRDTRYLV  
AVDRPAGAWR GSGALTLQP RGEDSRLSTA RLQALLFGDD HRCFTRMTPA LLLLPRSEPA PLPAHGQLDT VPFPFPPRPSA ELEESPPSAD  
PFLETLTRLV RALRVPPARA SAPRLALDPD ALAGFPQGLV NLSDDPAALER LLDGEEPLLL LLRPTAATTG DPAPLHDPTS APWATALARR  
VAAELQAAAA ELRSLPGLPP ATAPLLARLL ALCPGGPGGL GDPLRALLLL KALQGLRVEW RGRDPRGPGR AQRHHHHHHH

#### Purity

Purity as determined by densitometric image analysis: > 85 %

#### Endotoxin

< 1.0 EU/μg

#### Formulation:

Filtered (0.4 μm) and lyophilized in phosphate buffered saline + 5% (w/v) trehalose.

#### Reconstitution:

Add 200 μl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

#### Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

#### **Storage, Stability/Shelf Life**

Store the lyophilized protein at  $-80^{\circ}\text{C}$ . Lyophilized protein remains stable until the expiry date when stored at  $-80^{\circ}\text{C}$ . Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at  $-80^{\circ}\text{C}$  for long term storage. Reconstituted protein can be stored at  $4^{\circ}\text{C}$  for a week.

#### **Quality control**

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

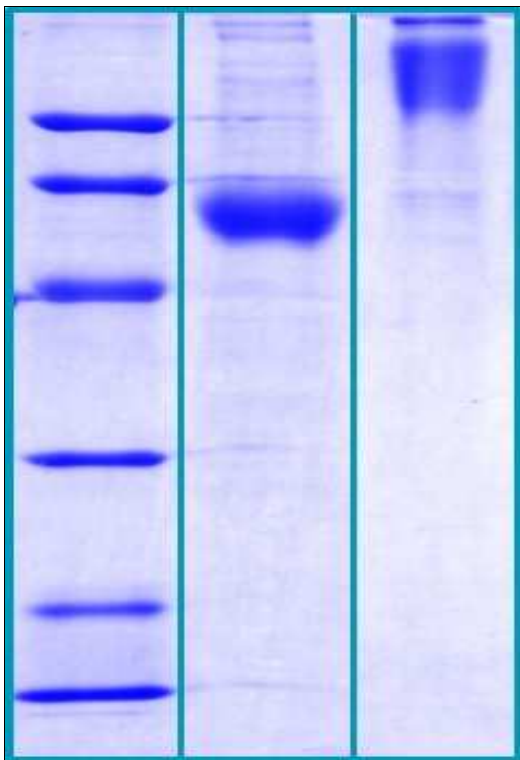
LAL to determine quantity of endotoxin.

#### **Applications**

Cell culture and/or animal studies, ELISA, Western blotting

#### **Note**

This product is intended for research use only.



12 % SDS-PAGE separation of Human AMH (HEK):

1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa

2. Reduced and boiled sample, 2.5  $\mu\text{g}/\text{lane}$

3. Non-reduced and non-boiled sample, 2.5  $\mu\text{g}/\text{lane}$