

## MAGEA4 Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P700420
<b>Synonyms:</b>	MAGEA4; melanoma antigen family A, 4; MAGE4; melanoma-associated antigen 4; cancer/testis antigen family 1; member 4; CT1.4; MAGE 41; MAGE X2; MAGE4A; MAGE4B; melanoma associated antigen 4; MGC21336;
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	P43358 (M1-V317)
<b>Gene ID:</b>	4103
<b>Molecular Weight:</b>	36.7 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> MSSEQKSQHC   KPEEGVEAQE   EALGLVGAQA   PTTEEQEAAV SSSSPLVPGT   LEEVPAAESA   GPPQSPQGAS   ALPTTISFTC WRQPNEGSSS   QEEEGPSTSP   DAESLFREAL   SNKVDLAHF LLRKYRAKEL   VTKAEMLERV   IKNYKRCFPV   IFGKASESLK MIFGIDVKEV   DPASNTYTLV   TCLGLSYDGL   LGNNQIFPKT GLLIIVLGTI   AMEGDSASEE   EIWEELGVMG   VYDGREHTVY GEPRLKLLTQD   WVQENYLEYR   QVPGSNPARY   EFLWGPRALA ETS YVKVLEH   VVRVNARVRI   AYPSLREAAAL  LEEEEGV           </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>The MAGEA4 protein plays a crucial role in regulating cell proliferation by inhibiting cell cycle arrest at the G1 phase, as evidenced by studies. Additionally, MAGEA4 exerts a negative regulatory effect on p53-mediated apoptosis, further highlighting its involvement in controlling cellular processes associated with cell cycle progression and apoptotic pathways. These functions underscore the significance of MAGEA4 in modulating key checkpoints that govern cell division and apoptosis, suggesting its potential impact on cellular homeostasis and the avoidance of aberrant cell growth.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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