

## MAGEA4 Protein, Human, Recombinant (His)

## General Information

Synonyms:	MAGE-41 antigen;Melanoma-associated antigen 4;MAGE-4 antigen;MAGE4;MAGE-X2 antigen;MAGEA4;Cancer/testis antigen 1.4 (CT1.4)
Protein Construction:	1-317 aa
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P43358
Molecular Weight:	36.7 kDa (predicted)
AA Sequence:	MSSEQSQHCKPEEGVEAQEEALGLVGAQAPPTTEEQEA AVSSSSPLVPGTLEEVPAAESAGPPQSPQGASAL PTTISFTCWRQPNEGSSSQEEEGPSTSPDAESLFREALSNKVDELAFLLRKYRAKELVTKAEMLERVIKINYKR CFPVIFGKASESLKMIFGIDVKEVDPASNTYTLVTCLGLSYDGLLGNNQIFPKTGLLIIVLGTIAMEGDSASEEEIW EELGVMGVYDGREHTVYGEPKLLTQDWWQENYLEYRQVPGSNPARYEFLWGPRALAETSYVKVLEHVVRV NARVRIAYPSLREAALLEEEEGV

## QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized Human MAGEA4 at 2 µg/mL can bind anti-MAGEA4 recombinant antibody, the EC 50 is 30.33-43.10 ng/mL.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

## Preparation and Storage

## Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

## A DRUG SCREENING EXPERT

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Regulates cell proliferation through the inhibition of cell cycle arrest at the G1 phase. Also negatively regulates p53-mediated apoptosis.

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