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## Recombinant human MAGEA4 protein

Catalog Number: ATGP0594

#### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

1-317aa

#### **UniProt No.**

P43358

#### **NCBI Accession No.**

AAH17723.1

#### **Alternative Names**

Melanoma-associated antigen 4, Melanoma-associated antigen 4, Cancer/testis antigen 1.4, CT1.4, MAGE 4, MAGE 4 antigen, MAGE 41 antigen, MAGE 4A, MAGE 4B, MAGE X2, MAGE X2 antigen, MAGE41, MAGE4A, MAGE4B, MAGEA 4, MAGEA4, Melanoma antigen family A 4,

#### **PRODUCT SPECIFICATION**

## **Molecular Weight**

37 kDa (337aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

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

#### **Purity**

> 90% by SDS-PAGE

## Tag

His-Tag

## **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**

MAGEA4 is a member of the MAGEA family, which directs the expression of tumor antigens that are recognized on a human melanoma by autologous cytolytic T lymphocytes (CTL). The function of MAGEA4 is not known, though may play a role in embryonal development and tumor transformation or aspects of tumor progression. This protein is expressed in many tumors of several types, such as melanoma, head and neck squamous cell



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carcinoma, lung carcinoma and breast carcinoma, but not in normal tissues except for testes and placenta. Recombinant human MAGEA4, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

## **Amino acid Sequence**

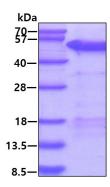
<MGSSHHHHHH SSGLVPRGSH> MSSEQKSQHC KPEEGVEAQE EALGLVGAQA PTTEEQEAAV SSSSPLVPGT LEEVPAAESA GPPQSPQGAS ALPTTISFTC WRQPNEGSSS QEEEGPSTSP DAESLFREAL SNKVDELAHF LLRKYRAKEL VTKAEMLERV IKNYKRCFPV IFGKASESLK MIFGIDVKEV DPTSNTYTLV TCLGLSYDGL LGNNQIFPKT GLLIIVLGTI AMEGDSASEE EIWEELGVMG VYDGREHTVY GEPRKLLTQD WVQENYLEYR QVPGSNPARY EFLWGPRALA ETSYVKVLEH VVRVNARVRI AYPSLREAAL LEEEGV

#### **General References**

Fradet Y., et al. (2009) Int J Cancer. 125(6):1365-71. Nishimura T., et al. (2009) Br J Cancer. 100(7):1135-43.

#### **DATA**

#### **SDS-PAGE**



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

